

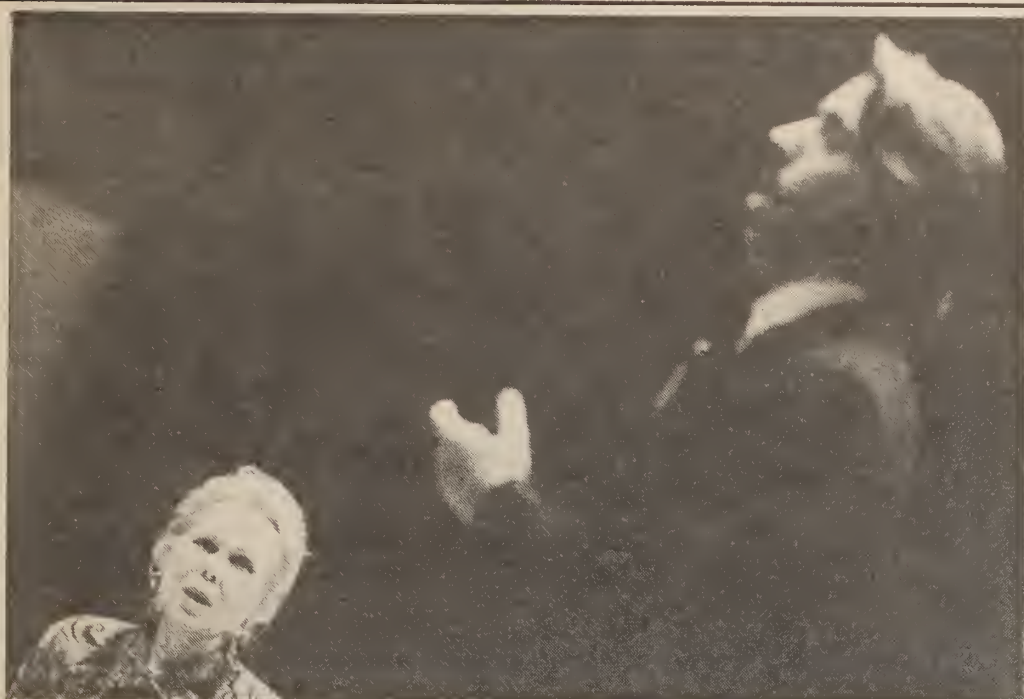
Bulletin

NUMBER 14 43rd YEAR

MONDAY, MARCH 12, 1990

Supplement
Campus Plan
Discussion Draft

GREG HOLMAN



Arias and angles

Renata Scotto, the celebrated soprano, listens attentively to Matthew Thomas, a student in the Faculty of Music's opera division, during a master class March 6 in the Edward Johnson Building. Scotto was in Toronto to give classes to University students and members of the Canadian Opera Company chorus.

Progress slow: women's audit

by Karina Dahlin

THE UNIVERSITY has been slow to develop and implement policies that would make its stated commitment to gender equality a reality, says a report released last week.

The Women's Audit was written by the Ad Hoc Committee on the Status of Women, a group formed in 1984. Four years ago, the committee identified a wide range of problems in areas ranging from the recruitment of students, to classroom climate, job classification and the hiring of faculty.

The audit was written "because very little change has been made in the policy area," said Professor Heather Murray of the Department of English, a member of the ad hoc committee. It was presented during the teach-in on sexism and violence against women March 8 and will be widely distributed.

Murray said the perception that more women have been hired to fill faculty positions is inaccurate. "There has been almost no increase," she said. In fact, the hiring of a woman is still rare and often the result of intense pressure.

The percentage of female faculty has remained unchanged over the last three years at 13.7 percent, the audit found. The University developed an employment equity policy in conjunction with the faculty association, but the administration has withdrawn its support, according to the report.

The current review of the academic appointments policy provides an opportunity to raise this issue, as well as the issue of employment equity for aboriginal people, those belonging to visible minorities and persons with disabilities.

The report says the University's sexual harassment policy and the appointment of a sexual harassment officer in 1988 has led to "significant educational work." But the deadline for complaints of sexual harassment should be extended and the legal expenses of complainants should be paid, the committee says.

In addition, the draft guidelines on gender-neutral language should be implemented. "The next step is to formulate and pass policy to mandate use of the guidelines in University communications."

The committee recommends that an administrative officer be made directly responsible for the development of child care services and that officers who deal specifically with women's issues be given greater responsibility and autonomy.

A public meeting to discuss the recommendations contained in the audit is scheduled for March 29 at 140 St. George St.



See pages 8-9 for coverage of the March 8 teach-in on sexism and violence against women.

Task force on racism proposed

by Karina Dahlin

GORDON CRESSY, vice-president (development and university relations), would like to see a task force established to examine the concerns of visible minorities on campus. In an interview March 1, Cressy said President George Connell has agreed in principle to such an investigation.

The task force would place special emphasis on the experiences of black people, a group Cressy believes is having the most difficult time on campus.

A general sense of goodwill, coupled with recent events in South Africa, last fall's dispute concerning space for the African & Caribbean Student Association (ACSA), as well as support from Connell and president-elect Robert Prichard show that "this is the time to do it," said Cressy. The University should prepare itself to be a competent multicultural institution, "and we'd better get moving on it now."

Cressy noted that 52 percent of children in the Toronto school system don't have English as their first language and that the city's population mix is changing.

In addition, many faculty members at U of T will reach retirement age in the

next decade. "We should be taking advantage of that opportunity to hire people who better reflect our community," Cressy said.

"Bastille-storming is not enough"

A task force study would not be expensive; any costs would result from implementation of its recommendations, which would have to be

"do-able."

However, he said the changes won't come as fast as some people would like. "The most difficult time of all to make

significant changes is when you are in a time of restraint.

"It's a pacing question. In my view Bastille-storming is not enough. Those who want to storm the Bastille to make change are important. But the implementors of change are those at the centre. As an administrator I understand the issue of pace and what can be done. That is why I will never be able totally to satisfy those who are pushing for faster change."

Cressy said the University might need a race relations officer. He would also like

See SURVEY: Page 2

Bylaw exemption sought; garage plan draws fire

THE UNIVERSITY has asked the City of Toronto for an exemption from a special 1987 bylaw stipulating that U of T must provide 2,030 parking spaces downtown.

At a March 7 news conference, Gordon Cressy, vice-president (development and university relations), said the exemption will give the University time to debate the merits of the proposed 960-space, two-storey parking garage under the back campus.

"There's no definite commitment to proceed with the underground garage," Cressy said. "We're getting more information and it could be reduced if not eliminated." He said he personally believes there is a good chance it will never be built.

Cressy told students attending the news conference that the University has an acute parking shortage; the waiting lists for all types of parking are very long. He said there is also a high demand for monthly student parking.

However, should the University proceed with the garage, the playing field above it may be covered with real grass instead of astroturf, he said. Preliminary studies indicate that the level of the water table may permit grass.

Some 70 student protestors attended the news conference in the Council Chamber, where the meeting became an

impromptu debate on parking. Many of the students were from University College, which would be next door to the proposed garage.

Students said they think the University should conduct an environmental impact study before undertaking the project. Janice Oliver, assistant vice-president (facilities and administrative systems) said an emissions study is currently under way along with landscape, pedestrian and acoustical studies, but no one has requested a full environmental study.

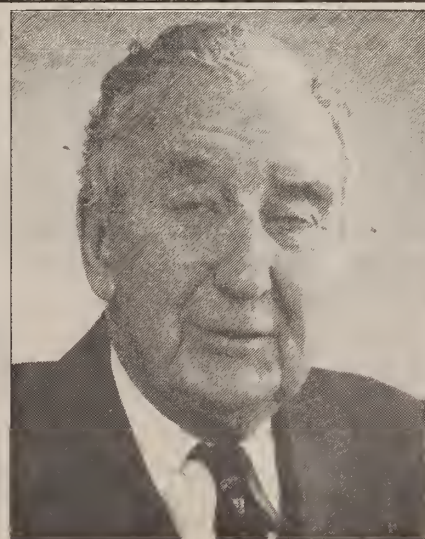
Inside

Auction on: Scarborough College launches its arts centre campaign. *Notebook.* PAGE 4

Clear-sighted: Ann Wolf has a special job. *Profile.* PAGE 6

Civic honours: Michael Bliss and Lap-Chee Tsui receive awards. *In brief.* PAGE 7

Popular control: The environment is too important to be left to experts. *Letters.* PAGE 10



Legacy

Charles Malim Harding died suddenly at his Toronto home Feb. 24. He was 78. A University College graduate of 1931 and the first chair of Governing Council, Harding was one of the University's staunchest supporters. He made major contributions to U of T during the establishment of a unicameral governing structure and through the Presidents' Committee and the Varsity Fund, both of which he chaired. In 1977 he received an honorary doctorate for his services to the institution and the community. For more on Harding and his legacy to the University, see Page 5.

STEVE BEHAL

Revised pay equity plan possible in April

by Gay Abbate

THE HUMAN Resources Department has received more than 400 calls and about 100 letters from non-union employees with questions or complaints about the University's new pay equity plan since its posting Jan. 2.

Almost every job category has been represented. More than 100 official appeal forms have been sent out in response to requests. According to Laleah Macintosh, director of compensation, there have been fewer complaints than expected. It is unlikely that more than 30 to 40 jobs will be reviewed, she said. "The plan has been very successful. It may require a little fine tuning but it did what it was supposed to."

Under the plan, some 2,500 non-unionized employees in 110 female-dominated job classes will receive in-

creases averaging 11.7 percent over two years. The pay hikes range from 4.6 percent to 44.7 percent.

If changes are made, a revised pay equity plan will be posted the second week of April. Employees then have 30 days in which to file a complaint with the Pay Equity Commission. Provincial pay equity legislation requires the original plan to be posted for 90 days. The University must report within seven days of the end of this period.

Callers requested information on the plan itself, the selection of male comparators, the size and timing of increases and reasons for not granting increases.

Men have expressed concern about female-dominated jobs being moved up to their salary levels with the pay equity increases, said Mary Ann Ross, pay equity project manager.

Judith Eichmanis, the staff association's vice-president (policy), said her office has received many complaints from men angry at being compared to female-dominated jobs where the women are already earning more than they are.

Should complaints result in significantly larger adjustments or more employees getting raises, the increases would likely have to be spread out over three years instead of two, said Ross.

The University has allocated \$6.8 million to implement the plan. In 1990-91 all employees entitled to an increase will receive at least one percent. In addition, those earning the lowest salaries will get their full increases; the rest will have to wait until the following year.

A higher implementation cost would mean those in the higher salary grades would not receive their entire adjustments until 1992-93 because the next lowest paid would be compensated in the second year, Ross said.

"The University is holding a club over our heads to not lodge complaints because it will delay some people receiving their adjustments, but it won't work," Eichmanis said.

Dental assistants, slated to receive a 10.1 percent raise, say they have been placed into one group without regard to the variety of work done, seniority or education levels. A complaint will be filed with the Pay Equity Commission unless the University addresses the concerns of dental assistants, Eichmanis said.

Macintosh said job classification is a separate issue from pay equity. Once the latter is settled, the University will then review some job classes.

Eichmanis said the University may be forced to review job classes as part of the plan by the commission should it determine that some job classes are too broad. Under pay equity legislation all those within a class must be doing similar work requiring the same kinds of skill and education, she said.

The pay equity plan has caused some friction between clerks at level IV and administrative assistants at level I. Both are slated for increases: 20.4 percent for the former; 9.4 for the latter. The administrative assistants in question supervise the clerks, but the adjustments mean some clerks will earn more than some of their supervisors.

Employees paid from research grants are included in the pay equity plan but some are not sure they will receive anything if funding is not available, Eichmanis said. Still others are afraid the plan may cost them their jobs if granting agencies cannot come up with more money. The University agreed to pay increases for grant-supported employees from Jan. 1 to March 30 when most grants expire — somewhat longer for some with a different renewal date.

A total of 433 grant-supported staff will receive an average raise of 13.2 percent. Ross said the University is doing everything possible to persuade granting agencies to reopen grants to provide additional funds to cover pay equity increases.

Eichmanis said that because the University opted to include grant-supported staff in its pay equity plan it is the employer and should therefore cover the additional cost.



Geographical centre

Provost Joan Foley cuts the ribbon to officially open the new Physical Geography Building at 45 St. George St. March 2. Professors Tony Davis (left), director of the physical geography laboratories, and Joe Whitney, chair of the geography department, look on. The space became available last year when the Faculty of Forestry, the previous occupant, moved to the Earth Sciences Centre. With slight modifications the three-storey building now contains five teaching and research labs, one classroom, seven offices and space for 16 graduate students. Prior to the move, faculty members in physical geography were housed at various locations on campus.

Survey to be taken

Continued from Page 1

to see separate student centres for the various visible minorities. People need solidarity with people of their own race in order to unite with others, he said.

"Anything that promotes individual strength and identity is a positive factor and I think it leads to a perception of equality and of equal treatment. When any group has been made to feel one down, we all have a responsibility to change it."

Cressy will be one of three moderators at a provincially sponsored conference on race relations March 21-23 in Orillia. Approximately 125 people will attend. The conference, which coincides with the International Day for the Elimination of Racial Discrimination March 21, is designed to give participants a better understanding of racism in its institutional, unconscious and overt aspects.

Meanwhile, a survey is being carried out among black students. The project

is supported by ACSA, the West Indian Student Association, the Forum for African Students in Toronto and the Office of Public & Community Relations. The information from a questionnaire will be used to determine how well the University is meeting the needs of the group.

Oji Adisa, a history student running for election to Governing Council, said the survey "is a useful thing," particularly because black students have worked on formulating the questions. But a task force will only be helpful if its membership is representative of the community and if its recommendations are implemented, he said. "Otherwise it's a waste of our time."

Adisa said there are 500 to 600 black students on the downtown campus and about 300 at the suburban campuses. Preliminary results from the employment equity survey conducted among faculty and staff last year show that 14.6 percent of those who responded are members of visible minorities.

Commission set

PRESIDENT George Connell has established a commission to study and make recommendations on the University's future role in health care in Ontario. The 10-member commission is chaired by Dr. Richard Ten Cate, vice-provost (health sciences), and includes representatives from hospitals and the University. It will examine and comment on two government discussion papers on the province's health care and present its findings to the president in the fall. U of T is the province's leading educator of health care professionals.

UNIVERSITY OF TORONTO Bulletin

Editor: George Cook
Associate Editor: Jane Stirling
Writers: Gay Abbate, Karina Dahlin
Editorial Assistant: Ailsa Ferguson
Production Manager: Sandra Sarner
Production Assistant: David Vereschagin
Advertising Manager: Marion de Courcy-Ireland
Advertising Assistant: Nancy Bush
Director: John Aitken

Material may be reprinted in whole or in part with appropriate credit to the *Bulletin*.

Published every two weeks by the Department of Communications.

Submissions for publication must be in the *Bulletin* office, 45 Willcocks St., University of Toronto, Toronto, M5S 1A1, 10 days before publication date unless otherwise specified.

Editorial Enquiries: 978-6981

Distribution Enquiries: 978-4933

Advertising Enquiries: 978-4933

Display advertising space must be reserved two weeks before publication date.

FAX: 978-7430

UNUSUAL FLOWERS & PLANTS from far-away places



Cacti

Custom baskets

Fresh flowers
for all occasions

Same day delivery

Forty Shades of Green

923-2635

128 Harbord St.

Dr. Cheese's Miracles in the Art of Cheesecake

Strawberry Delight
Raspberry Tickle
Old-Fashioned New York
Dutch Chocolate

and many more favourites
to choose from.

All are fashioned with the
finest natural ingredients
and hand finished in our
own inimitable way.



962-CAKE

119 HARBORD STREET

Where it doesn't cost much to be
sweet on yourself.

Kensington Kitchen

Mediterranean specialties include cous cous, lamb, hummus, falafel, tabbouleh, vegetarian pasta & seafood.
Open daily til 11 p.m. • Sunday brunch • Group reservations • Fully licensed • 124 Harbord St. 961-3404

Breakthrough donors designate gifts

SOME OF the 38 projects slated to receive Breakthrough funds may not get their full budgeted amount even though the campaign is expected to reach its \$100 million target ahead of schedule.

As a result, some planned projects may be delayed or cancelled, while others, not on the original allocations list, will now receive funding. Still others will receive more money than planned.

The reason, said Gordon Cressy, vice-president (development and university relations), is that some projects — the centre for research in neurodegenerative diseases and the renovation of the Mining Building, for example — have proven popular with donors. Others — the humanities consortium and the undergraduate education fund — have been less popular.

Donors, especially those giving large amounts of money, prefer to designate their gifts, Cressy said. They give more if they can specify how their money is to be spent, he said. Some might not give otherwise. Projects related to medicine have been popular from the outset.

Of the more than \$82 million raised to date only slightly more than \$8 million — roughly 10 percent — is in undesignated donations.

More work is needed to attract funds for projects such as the humanities consortium, said Elizabeth Wilson, director of development. This \$3 million fund is designed to provide financial support for eight well-established projects, including the Dictionary of Canadian Biography, the Dictionary of Old English, the Collected Works of Erasmus and the Royal Inscriptions of Mesopotamia.

The \$4.7 million undergraduate education fund will provide money for new programs, the purchase of equipment and professional development for faculty. Wilson said this fund may attract more donations when its plans are more fully developed.

Cressy said alumni donors are loyal to a particular University division and tend to earmark their money accordingly.

Undesignated money will be allocated to projects in need of more money to meet the established dollar targets, Wilson said. These funds will also be used to pay for the campaign. Breakthrough's \$5.9 million budget is currently under review.

The campaign was launched June 1, 1988, with a five-year pledge period in which to raise the \$100 million: 50 percent from alumni and individuals, 30 percent from corporations and 20 percent from foundations.

The 38 projects to receive Breakthrough funds are divided into three categories — 14 under "learning and scholarship" are scheduled to receive \$25.7 million, 15 under "research and discovery" \$25.8 million and nine under "campus development" \$48.5 million.

Grosvenor sentenced

ANN PATRICIA GROSVENOR, 50, a former administrative assistant in the Department of Clinical Biochemistry was sentenced in District Court March 5 to three years probation and 450 hours of community work.

On Jan. 10 Grosvenor pleaded guilty to breach of trust and fraud over \$1,000. In sentencing, Judge Stephen Borins said he relied heavily on the evidence of Grosvenor's psychiatrist, Dr. John Holmes, who told the court his client would have serious difficulties coping with incarceration.

Meanwhile, the insurance companies that covered the loss were given permission to seek compensation for \$123,190 they paid the University. Grosvenor pleaded guilty to defrauding U of T of \$75,000 between 1981 and 1986; the audit that was done following her revelation showed a shortage of \$172,745.

Top 10 largest corporate and individual donations and their designation

Estate of David Lorne Pratt	D.L. Pratt Building	\$6,260,775
Norma Harron	Scholarships and Bursaries	\$2 million
Olympia & York Developments	Centre for Drug Safety; Earth Sciences Centre	\$1.7 million
Dr. Cheng Yu-Teng	East Asian Studies Library Building Fund	\$1.5 million
Albert J. Latner	Chair in Orthopedics	\$1 million
Robert C. Gibson	Centre for Neurodegenerative Diseases	\$1 million
The Royal Bank of Canada	Technology Transfer & Innovations Fund	\$1 million
Xerox	Faculty of Management Building Fund	\$1 million
Abitibi-Price	Earth Sciences Centre	\$950,000
Estate of Helen A. Dales	Scholarships and Bursaries	\$798,000

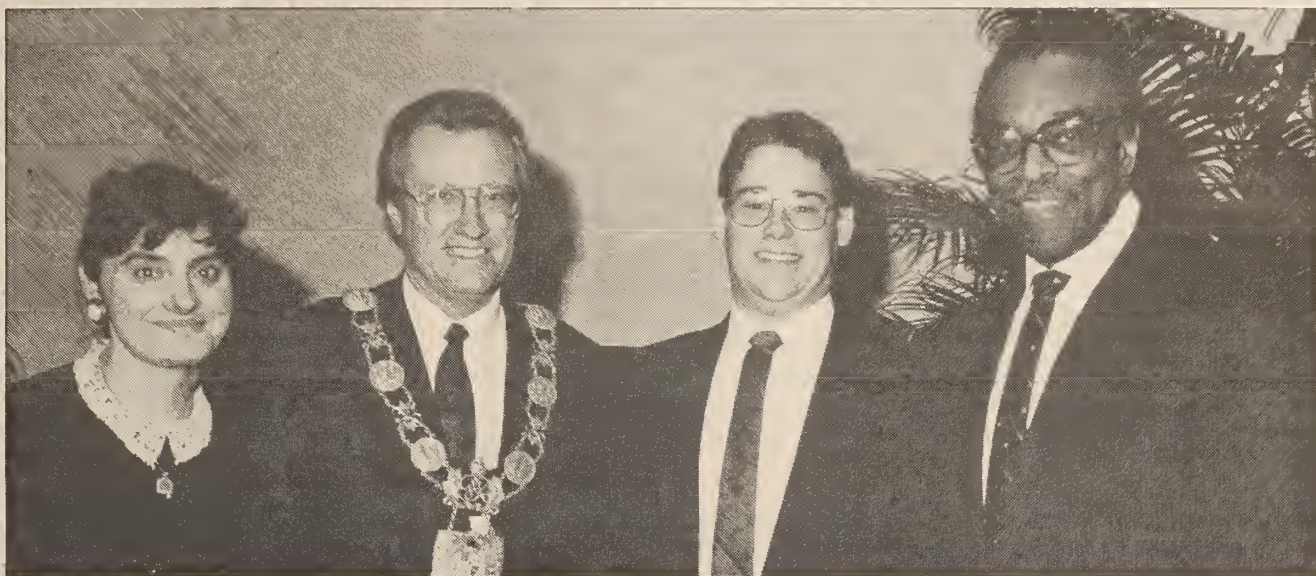
The successful phone-mail strategy of the campaign has reached almost half of its \$10 million objective. "It's the most expensive part of the campaign, but it

has worked well so far," Cressy said. Twenty cents on the dollar raised on the phone goes to pay for this part of Breakthrough.

The success of the whole campaign can be attributed in some measure to the personal touch, Cressy said. Ten thousand alumni and 200 major corporations received personal visits from Breakthrough staff. In addition, alumni received letters from distinguished graduates or members of their college.

Breakthrough hopes to raise over \$4 million from staff, faculty and students. The undergraduate goal is \$2.7 million to improve University facilities for persons with a disability.

In addition to gifts from individuals and corporations (see chart) a \$1 million donation, in US funds, has come from the Associates of U of T, a group of alumni living in the United States.



First winners

U of T students Carol Couchie and Tim Anderson with Mayor Art Eggleton and Lieutenant-Governor Lincoln Alexander. Couchie and Anderson are the first recipients of the University's aboriginal health scholarships of \$1,800 each. The formal presentation of their awards took place on Civic Honours Day, March 6, at City Hall. The scholarships are to help

native students pursue studies leading to careers in the health professions. Anderson, a member of the Bay of Quinte First Nation, is a second-year student in the Faculty of Medicine's physiotherapy program. Couchie, of the Nipissing First Nation, is in the Transitional Year Program and plans to study clinical psychology.

Correction

IN AN article on page three of our last issue ("Changes enhance degree: Armstrong," Feb. 26) we incorrectly paraphrased remarks made by Dean Robin Armstrong of the Faculty of Arts & Science to the faculty council concerning perceptions of the U of T undergraduate degree.

Armstrong did not say the degree is not regarded as a serious one because students can graduate without taking any advanced 300- and 400-level courses, as we wrote. He said the undergraduate degree does not appear to be a serious degree because of the impression given that students can graduate without taking any 300- or 400-level courses. In fact, students are required to take at least three advanced-level courses for a three-year degree, six for the four-year degree.

The article also gave the impression that there is a change in the number of 100-level courses that can count toward a degree. In fact, the new regulations stipulate only that four of a maximum six 100-level courses must be among the first five courses taken. The maximum number of 100-level courses permitted has not changed.

There is no change in the number of courses required to meet the breadth requirement; students must take at least three courses outside of their major area of study. However, the faculty council did approve a recommendation specifying breadth courses in certain areas depending on the field of major study. Faculty council also approved a recommendation to break the current four areas into six — languages and literatures, other humanities, social sciences, life sciences, mathematical sciences and physical sciences.

Haist Rules reviewed

AT ITS March 1 meeting, the Academic Board established a special committee to review the section of the Haist Rules dealing with the appointment of academic administrators.

The 14-member committee, chaired by Professor Paul Perron of the Department of French, will report back to the board prior to Dec. 1. Membership includes representatives of the teaching staff, the administrative staff, a graduate student, a member of the alumni and

an undergraduate student.

The committee will review the process of appointing department heads, deans and associate deans (including the dean and associate deans of the School of Graduate Studies), directors of schools and institutes and principals of federated colleges. The committee might also examine the duties and length of term of these administrative positions as well as the composition of search committees, said David Cook, vice-provost (staff functions).

New deans appointed

THREE DEANS — in library and information science, dentistry and law — were appointed by the Academic Board at its March 1 meeting.

Professor Adele Fasick, who has taught at U of T since 1971, was appointed dean of the Faculty of Library & Information Science for a five-year term beginning July 1. She obtained her BA from Cornell University, her MA and master of science in library science (MSLS) degrees from Columbia University and, in 1970, her PhD from Case Western Reserve University in Cleveland. She was director of the Centre for Research in Library & Information Science from 1981 to 1989 when she was appointed coordinator of the faculty's graduate studies program.

Professor Barry Sessle was appointed dean of the Faculty of Dentistry from July 1990 to June 1997. Sessle, who has been on staff since 1971, has been associate dean (research) in dentistry for the past four years. The Australian native obtained his BA and MA from the University of Sydney and his PhD from the University of New South Wales in 1969.

Professor Robert Sharpe will replace Professor Robert Prichard, U of T's presi-

dent-elect, as dean of the Faculty of Law for a seven-year term beginning July 1. Sharpe, who joined U of T in 1976, is currently on leave from the University, serving as executive legal officer of the Supreme Court of Canada. He received his BA in political science from the University of Western Ontario and his DPhil from the University of Oxford in 1974.

Meetings set for discussion of campus plan

THE PLANNING & PRIORITIES Committee of the Academic Board will hold special open meetings to receive verbal and written comments on the discussion draft of the campus master plan (published as a supplement to today's *Bulletin*) on March 26 at 4 p.m. and April 2 at 3 p.m. in the Governing Council chamber, Simcoe Hall. Once the planning principles are approved — probably by June — a series of public meetings will be held to discuss implementation of the plan.



The University of Toronto Alumni Association
Invites You To Attend

THE 1990 AWARDS OF EXCELLENCE DINNER

Join Us In Celebrating The Achievements of:

Mr. Carsey Yee, University College
John H. Moss Scholarship Recipient

Professor Peter Russell, Department of Political Science
Faculty Award Recipient

Mr. David B. King, Innis College
Chancellor's Award Recipient

Tuesday, March 27, 1990

The Great Hall, Hart House

7 Hart House Circle, Toronto

6 p.m. - Reception (Cash Bar)

7 p.m. - Dinner followed by Presentation of Awards

Tickets - \$40 per person

The favor of a reply is requested by March 15 Business Attire

UNIVERSITY OF TORONTO ALUMNI ASSOCIATION
21 King's College Circle, 3rd Floor, Toronto, Ontario, M5S 1A1 978-2366



Annual General Meeting

The annual meeting of the
University of Toronto Faculty Association
will be held on
Thursday, April 19, 1990 from 4 to 6 p.m.
in the auditorium of the
Medical Sciences Building (Room 2158)



UTFA COUNCIL ELECTIONS

Call for nominations in the following constituencies
Terms commence July 1, 1990
(Terms are for three years except as noted)

Anthropology
Architecture, Landscape Architecture,
Forestry
Dentistry
East Asian, Near Eastern, Middle East
& Islamic
Electrical Engineering, Biomedical
Engineering
Erindale - Sciences
Erindale - Humanities (1 year)
Librarians
Linguistics, German, French
Management Studies
Mathematics

Music
New College, Innis College, Transitional
Year Programme
Nursing, Pharmacy
Philosophy, IHPST, Religious Studies
Rehabilitation Medicine, Art as Applied
to Medicine, Speech Pathology,
Anatomy
Scarborough - Social Science
Scarborough - Life Sciences (2 years)
Sociology, Criminology
University College, SCS, SGS,
Woodsworth College
Victoria College

Members in these constituencies are requested to make nominations for these Council seats. Forms will be distributed to members and additional forms will be available at the UTFA office, 720 Spadina Avenue, Suite #419. Nominations open March 26 and close April 6, 1990. Elections, where necessary, will be held from April 16 to April 27, 1990.



Notebook

Results of this year's elections for Governing Council and the Academic Board will be released Wednesday, March 14. The deadline to return ballots to the Council secretariat at Simcoe Hall is *noon, March 13*. If you have not received a ballot, call chief returning officer **Susan Girard** at 978-6576. Professors **Michael Finlayson** and **Michael Marrus**, both of history, are vying for a Council seat in constituency ID, which includes teaching staff in the Departments of Anthropology, Economics, Geography, History, Philosophy, Political Science, Psychology, Religious Studies and Sociology, all on the St. George campus. There are about 350 eligible voters. Meanwhile, in the Faculty of Arts & Science, with about 1,100 eligible voters, six people are seeking four seats on the Academic Board. In the Faculty of Medicine, where four seats are open, there are eight candidates and 3,000 eligible voters; of whom about 700 work on campus. The rest are at the hospitals.

On Sunday, March 25, **Scarborough College** will hold a silent auction to launch the campaign to raise money for a performing arts centre to serve the college and the City of Scarborough. The auction is silent because bids are made by recording a pre-assigned number to a list, beside the desired item. Bidding begins at 2 p.m. in the Meeting Place. The Orford String Quartet will be on hand for a concert at 3 p.m. Some 50 items have been donated. They include several sets of opera, theatre and concert tickets, original works of art, family memberships to the Metro Toronto Zoo and the ROM, a Blue Jays baseball bat used by Lloyd Moseby, dinners for two and more. For information call 287-7080.

Professor **Gerald Hunt** of the Division of Social Sciences at Scarborough College is studying the experiences of men in clerical, administrative and secretarial jobs. If you would like to help him in his work by granting him an interview, call 287-7338. He treats all information confidentially.

Campuses across the province are abuzz with rumours of tuition fee increases, fallout from Michael Wilson's recent \$320 million cut in transfer payments to Ontario for post-secondary education and health care. The Ontario Federation of Students (OFS) says it has learned - from a "mole" in the Ministry of Colleges & Universities - that fees could jump by an additional seven percent over the eight percent announced in November or that there could be a tuition surcharge of \$50 to \$100. Treasurer Robert Nixon will say only that he has to make up for the funding shortfall somehow. Sean Conway, the minister of colleges and universities, declines "to rule anything in

or rule anything out." Edith Garneau, president of OFS, said Nixon told the federation during a Feb. 7 pre-budget meeting that he is looking for a reason to raise fees in response to pressure from the private sector. Meanwhile, the federation is planning a rally March 15 at Queen's Park to protest further fee increases.

This year's Governor-General's award for non-fiction in English went to Robert Calder for *Willie: The Life of W. Somerset Maugham*. Professor **Janice Boddy**, a Scarborough College anthropologist, was



Janice Boddy

one of the finalists in the same category for *Wombs and Alien Spirits: Women, Men and the Zār Cult in Northern Sudan* (University of Wisconsin Press). Dale Russell's *An Odyssey in Time: The Dinosaurs of North America* published by the University of Toronto Press was also nominated.

According to *UBC Reports*, the University of British Columbia has decided to extend benefits to same-sex partners of faculty and staff under the university's dental, extended health care and life insurance plans. But provincial medical services plan will only extend benefits to other-sex partners. U of T does not extend benefits to partners of the same sex.

Last year, the *Bulletin* brought you word of **Ian Shelton** and his discovery of a supernova in the Large Magellanic Cloud, a galaxy near our own. We later reported that an American research team had observed a neutron star or pulsar at the centre of the supernova explosion - the first direct evidence to support the theory that when a large star collapses, it becomes a pulsar. Well, last month, at a meeting of the American Association for the Advancement of Science, the leader of the pulsar detection team, Professor John Middleton of the University of California's Los Alamos National Laboratory, said the crucial data was in fact the result of interference from a defective video monitor used to guide the telescope. Of course, that doesn't mean there isn't a pulsar at the heart of the Supernova Shelton 1987A; but if one exists, it is still hidden in the debris from the explosion.

Sign of the times: nine police officers were on hand for the March 8 teach-in on sexism. Their presence served as a reminder of the reality of violence against women. The officers donated their time to show support for the event.



Applications

are now being accepted for a

Fellowship in Ocular Oncology

at

The Princess Margaret Hospital

beginning July, 1990. Contact:

Dr. E.R. Simpson, Director of Ophthalmology
The Princess Margaret Hospital
500 Sherbourne Street
Toronto, Ontario
M4X 1K9

A Collaborative Ocular Melanoma Centre

C. Malim Harding, 1911-1990

by Gay Abbate

THE UNIVERSITY lost a great friend and one of its strongest supporters when Charles Malim Harding, the first chair of Governing Council and former chair of the Varsity Fund, died suddenly at his home Feb. 24. He was 78.

"His contribution to the University was monumental," said President George Connell, a long-time friend. "His commitment was life-long. He was always interested, concerned and wanted to help. His advice was always astute."

Harding became a member of the University's Board of Governors in 1967 and he continued to work on the University's behalf until his death. When the Board and the Senate were abolished in 1971 in favour of a governing council, he was appointed by the province to the new body and elected its first chair, a position he retained until 1976.

At the inaugural meeting of Governing Council July 4, 1972, Harding remarked: "This is a historic occasion not only for U of T but for universities across the continent and throughout the world. We are trying out something that is relatively new and everybody is watching. But the only thing that we should have

in mind is the greater good of U of T."

He provided the University with much-needed leadership and direction as chair of the fledgling Council during its critical first years, Connell said.

Major source

Part of Harding's legacy is the Presidents' Committee, which he founded in 1972 and chaired for the next decade. The committee consists of donors who contribute at least \$1,000 annually. With over 1,500 members, it has become a major source of private financial support for the University.

Harding also did important work on behalf of the Varsity Fund, which he chaired from 1983 to 1988. During his tenure, donations to the fund grew from \$1.5 million in 1983 to \$3.25 million in 1988. When he stepped down as chair, the Ontario government presented him with a citation praising the "spirit of determination" that helped make the fund an important source of revenue.

The University honoured him by naming the conference room at 21 King's College Circle the Malim Harding Room. He remained active in the Varsity Fund until his death.

In memoriam

On and off campus

Celebratory symposium

To help mark the 20th anniversary of the International Development Research Centre (IDRC), a federally funded agency with close ties to the research community, the University held a one-day conference at Hart House Feb. 27. Among those attending the South-North Dialogue on the Environment were Gloria Nikoi (centre front), chair of the Akuapem Rural Bank, Ghana, and a former minister of foreign affairs; James Mullin (left), vice-president of IDRC; Dean Charles Okidi (centre back) of the School of Environmental Studies, Moi University, Kenya; and Professor Henry Regier (right), director of the University's Institute for Environmental Studies. IDRC plays a major role in international efforts to apply science and research to the problems of the third world.



JEWEL RANDOLPH

Meaningful association

Frank Stronach (centre), chair of Magna International, was the guest speaker at a dinner to raise funds for the Association of Concern for Ultimate Reality & Meaning (URAM) held at the Sutton Place Hotel, Feb. 27. Professor Tibor Horvath (left) of Regis College and URAM president George Wark (right), a retired bank supervisor, organized the event. Stronach discussed innovative business methods and their application to research. He was the first speaker in the association's new lecture series established to promote communication between academics and business people. A philanthropic, educational organization, URAM attempts to promote unity by fostering a better understanding of different races, nations and states.



HOMA FANIAN

Founders

Principal Paul Thompson of Scarborough College presents copies of *The First 25 Years*, a recently published history of the college, to members of the faculty and staff who have been at Scarborough since its establishment 25 years ago. From left to right: Thompson, Peter Moes (French), Gerry Israelstam (botany), Robert James (sociology), Bert Forrin (psychology) and Andrew Gregorovich (library technical services). Three other founders — librarian John Ball, author of the book, Jim King (physics) and Professor Emeritus John Margeson — were also honoured.



PETER TOIVAINEN



ROBERT LANSDALE

C. Malim Harding (right) with Justice Arthur Kelly at convocation in 1975.

Harding was awarded an honorary doctor of laws degree in 1977 in recognition of his service to the University and the community.

From 1976 to 1982 he was honorary chair of Update, the fundraising campaign that preceded Breakthrough.

In 1987 he endowed the Malim Harding Visitorship in Political Science & Economics to bring distinguished individuals to lecture at U of T.

Gold medal

Harding was born May 13, 1911, in Toronto, where he attended University of Toronto Schools. In 1928 he entered University College on an Edward Blake Scholarship in mathematics and graduated with a gold medal in political science in 1931.

His first job upon graduation was with Canada Packers, which he left in 1933 for Harding Carpets Ltd., the company founded by his father in 1927. The following year he joined the Royal Cana-

dian Artillery.

During the war he served in England, France and Italy. He attained the rank of colonel and became chief instructor of the Royal Military College, Kingston. In 1946 he was appointed an officer of the Order of the British Empire.

After the war, he returned to Harding Carpets, becoming its president in 1953 and chairman of the board in 1967.

He took an active role in community affairs, working tirelessly on behalf of the Community Chest (later the United Way) and the Canadian Cancer Society. He served on the boards of the Ontario College of Art and the Clark Institute of Psychiatry and was on the advisory board of Pollution Probe.

A sports enthusiast, he enjoyed skiing, golf, fishing, shooting and tennis.

Harding is survived by his wife Constance, whom he married in 1947, daughters Stephanie Brady and Deborah Deeks and son Victor. Deborah and Victor are U of T graduates.

Enrolment limits deferred

PROGRAM CUTS proposed by the Faculty of Management to retire its \$350,000 budget deficit will not affect undergraduate students currently enrolled in commerce programs, says vice-provost Tony Melcher.

As a result of negotiations between the management faculty, the Faculty of Arts & Science and the provost's office, enrolment in second-year commerce courses will not be limited as originally planned. Melcher said students were upset that the University might change the rules in the middle of their degrees. No decision has yet been made about when or if enrolment limits will be imposed on commerce courses taught by the management faculty, he said.

Dean Roger Wolff of management announced in February that as of July 1 enrolment in 200-level commerce courses would be restricted to 200 students, down from about 300.

Dean Robin Armstrong of arts and science opposed the restrictions saying already overcrowded courses in his faculty could get even larger if students were not able to take commerce courses.

While the number of commerce courses offered will be reduced — no number has yet been announced — there will be sufficient courses to enable all current students to graduate, Melcher said. Wolff's proposal called for a decrease of 30 half-courses.

The provost has asked the management faculty to eliminate its entire deficit by 1992. In addition to limiting enrolment and offering fewer undergraduate courses, Wolff proposed a reduction in course offerings in the master of business administration program, the elimination of two full-time administrative positions, 40 part-time instructors and 10 post-retirement professors and restrict-

ing the number of commerce courses undergraduates can take to eight. Currently some take as many as 11.

Further changes to the commerce program could be forthcoming as a result of a review conducted a year ago by a committee set up by Provost Joan Foley. Melcher said a decision is expected within the next few months on the possible reorganization of the commerce program on the St. George campus.



10% discount
on food with
this advertisement

RENAISSANCE PLAZA
150 BLOOR STREET WEST
AT AVENUE ROAD

Michael Carlevale
Owner & Chef

Reservations: 920-9900



The Faculty Club

41 Willcocks Street
Telephone: 978-6325

MEDITERRANEAN WEEK

March 26th - March 30th, 1990

Main Dining Room: 12:00 noon - 2:00 p.m.

1. 6 oz. Salmon Steak poached s/w fresh mussels in a light white wine broth & fresh dill
2. Stir-fried mixed vegetables & tiger shrimps in garlic butter
3. Fresh Cultured Mussels cooked in white wine, onion & saffron

\$10.95 Plus Tax and Service Charge
Cost includes a glass of Wine

Reservations recommended
Members and Guests Only

Recommended dining

Masa 
dining lounge
Authentic Japanese
cuisine & decor

195 Richmond St. W.
(within walking distance of all Downtown Hotels)
Phone 977-9519

Enter through a Japanese rock garden which sets the scene for gracious, relaxed dining in the Oriental tradition, surrounded by wicker, bamboo, and Japanese prints. You can dine Japanese style at low tables or, if you prefer, North American style with normal tables and chairs — the service is efficient and polite no matter which you choose. Five-course dinners present a selection of *sukiyaki*, *teriyaki*, *shabu shabu*, or *yosenabe* as the main course. The latter is prepared in a wok right at your table and consists of seafoods, vegetables and tasty seaweed. The main course is accompanied by soup, sunomo salad (octopus, cucumber and shrimp), tempura, rice, dessert, and tea. AmEx, Chgx. ★★★★★

Noon-2:30, 5-11 p.m., Mon.-Fri. Sat. 5-11 p.m. Sun. 5-10 p.m.

FUTURETRON Ltd. ADVANCED COMPUTER SYSTEMS

Introduces the
TRON 386/25 POWER PLANT

Intel 80386-25 Processor
Four Megabytes RAM -Zero Waits-
Expandable to 16 Mb on Main Board
32K 25ns Four-way Static RAM Cache
104 Megabyte 24ms Hard Drive
1.2 Megabyte Floppy Drive
1.44 Megabyte Floppy Drive
Six Drive Bay Tower Case
14" Colour VGA Monitor 800 x 600
16 bit VGA Card with 256K RAM
MS-DOS 4.01 Software & Manuals
One Year On-Site Service Nationwide

\$4816.

Performance.Quality.Price.Support.

114 Richmond Street East
Toronto Ontario Canada M5C 1P1

TEL (416) 868-1808
FAX (416) 868-6898

Profile

by Karina Dahlin



HOMA FANIAN

Visionary

ANNE WOLF deserves a medal. She has been the soul of the Ontario division of the Eye Bank of Canada since its inception in 1955 as a joint project of the Canadian National Institute for the Blind and the Canadian Ophthalmological Society.

The Department of Ophthalmology in the Faculty of Medicine runs the bank at 1 Spadina Cres. When it began, most people thought the removal of eyes from a dead body was "repugnant," Wolf recalls. There were no organ donor cards and physicians did not understand that it might help dying patients and their families to make such a donation. Nevertheless, an apprehensive Anne Wolf visited the Toronto General Hospital every day and checked the list of critically ill patients. She could not approach the families of the patients directly; her requests went through the nurse or the physician in charge. Although they usually sent her packing, the exercise did help to educate them about the first eye donor program in the country.

"Executive secretary" does not begin to describe Wolf's role. When the bank receives an eye, she personally removes the top layer, the cornea, and sends it to the eye surgeons. The doctors used to be on a waiting list but over the years the number of donations has grown. Now Wolf keeps a schedule of all corneal transplants in the province and does everything in her power to meet the demand.

Eyes must reach Wolf within 24 hours after being removed. With cut-backs in bus services, Wolf relies heavily on members of Lions Clubs across the province who drive miles to get the canisters on a bus to Toronto.

Phone calls and taxi deliveries are made to Wolf's home day and night. Her patience and her sense of humour have often been tested. On three occasions over the years, the local ratepayers' association has made a case out of the comings and goings at the Wolf residence. Neighbours thought it had become a house of "ill repute."

For 33 years Wolf's husband, Charles, has complained daily: *This cannot go on. It simply has to stop.* "The poor

man finds the whole project revolting," Wolf laughs. Her three children, on the other hand, grew up thinking it was perfectly normal to have cylinders full of eyes sitting in the refrigerator. "They'd just move the eyes over and take out the milk."

Wolf spends a great deal of time cultivating her Lions Club contacts but her external relations go beyond that. After each operation she writes to the families of the donors. Every letter is a personal one mentioning the deceased and the condition of the cornea recipient. To date she has written 13,000 such letters, and it is one of the most gratifying aspects of her job.

Hundreds of people have written back. She always replies with more details about the progress of the recipient of the transplant. "The impact of those letters is the only positive side of a death," she says. Sometimes the correspondence goes on for six months, the time it usually takes for survivors to regain the will to live, Wolf has learned.

In small town Ontario, the letters have had a remarkable effect on whole communities because they are often read aloud from the pulpit or repeated in newspaper articles. Wolf has also been a speaker in dozens of church basements, at knitting parties and in living rooms. As a result people in rural areas are more frequent donors than city residents.

It was not until 1986 that Wolf began to share her job with two other people. She is still on call 24 hours a day during the week, but now she enjoys the luxury of having two out of three weekends off. At 62, she looks forward to her retirement. She plans to work as a volunteer at the Sunnybrook cancer clinic and to continue to serve on various committees at Trinity College, from which she graduated with a bachelor of science degree in 1948. After 45 years at U of T, Wolf's loyalty to the institution runs deep and she is full of anecdotes about a University very different from today's. But I'll save her stories for another occasion — perhaps when she gets her medal. The Order of Ontario would be fitting.



Ole Malacca

SINGAPORE, MALAYSIAN CUISINE
49 Baldwin St. 340-1208

Daily lunchtime RIJSTAFEL
(Buffet of 20 elegant and spicy Malaysian dishes)

Catering Services Available
Office, home and wedding parties

Lunch: Mon. - Sat. (11:30 - 2:30)
Dinner: Mon. - Sat. (5:00 - 11:00)

Ole Malacca also at 886 St. Clair Ave. West 654-2111
(Lunch special at 49 Baldwin St. only)

In Brief

Order of Ontario for Ursula Franklin

UNIVERSITY PROFESSOR Emeritus Ursula Franklin of the Department of Metallurgy & Materials Science will receive the Order of Ontario this year. Franklin, the first woman professor in her department and the first woman University Professor, pioneered the use of materials science techniques in archaeology. She retired last June as the director of U of T's Museum Studies Program and is currently senior resident at Massey College. The award, which honours Ontarians who have made outstanding contributions to the province, will be presented April 11. Nineteen other individuals including dancer Karen Kain, figure-skater Brian Orser and Dr. Robert McClure, a medical missionary in Asia for more than 65 years, will receive the award.

Civic honours

PROFESSORS Michael Bliss of the Department of History and Lap-Chee Tsui of the Departments of Medical Genetics and Medical Biophysics were awarded the City of Toronto's highest honour March 6. The Civic Award of Merit is given to those who have achieved excellence in their profession and have made significant contributions to the community. Bliss' scholarship and teaching is complemented by his frequent contributions as a commentator in the news media. He is the author of two books on which the CBC TV drama *Glory Enough for All* was based. Tsui made medical history last year when he and a team of researchers at the Hospital for Sick Children discovered the defective gene that causes cystic fibrosis. The disease affects approximately 20 percent of the population.

Kronberg wins award

PROFESSOR Philipp Kronberg of the Department of Astronomy has received the Humboldt International Research Award, given every year to 100 people in the sciences, engineering, medicine and the humanities by the West German von Humboldt Foundation. The award recognizes eminent academics outside the Federal Republic of Germany for their achievements in research and includes an invitation to undertake prolonged periods of research in that country. Kronberg will spend one year at the Max-Planck-Institut für Radioastronomie in Bonn continuing his investigation into the role of magnetic fields in space.

Plaque unveiled

A TORONTO Historical Board plaque honouring U of T's first woman engineering graduate, Elizabeth (Elsie) Gregory MacGill, was unveiled March 8 outside the Medical Sciences Building on King's College Road. MacGill, who received the Order of Canada in 1971, was honoured for her outstanding contribution in the field of aerospace engineering as well as for her leadership role in advancing the recognition and achievements of women. The 1927 graduate was the first female member of the Association of Professional Engineers of Ontario. The plaque was sponsored by the association.

Memorial created

AN AWARD in memory of Professor James Fair of the Faculty of Education will be presented for the first time this spring to a member of the faculty's 1989-90 graduating class. Fair, who died last May at age 52, was acting chair of the Institute of Child Study and chair of the faculty's elementary education department. The James W. Fair Award in Elementary Education will be presented to an outstanding student in either the primary/junior or junior/intermediate program. The recipient will have displayed superior teaching proficiency, care and concern for others and full participation in educational programs and activities. The faculty and Fair's family hope the award will encourage the student to continue in further studies in education. Those wishing to contribute should send a cheque, payable to the University of Toronto, 214 College St., Toronto, Ont. M5T 2Z9.

Finalists announced

THE BIOGRAPHY of University Professor Emeritus Northrop Frye has recently been nominated for two book awards. *Northrop Frye: A Biography* is one of seven finalists for the City of Toronto Book Awards and one of 10 contenders for the Ontario government's Trillium Book Award. Written by John Ayre, the biography examines, among other things, Frye's formative years, his entry into academic life and anecdotes about his scholarly works. *Rites of Spring: The Great War and the Birth of the Modern Age* by Professor Modris Eksteins of Scarborough College, is also a candidate for the Trillium award. The book describes the origin, impact and aftermath of the First World War and tracks the relationship of politics, the arts, literature and European society at the start of the century.

3 CASE THE MUSIC
FRIDAY, MARCH 23, 1990
8:00 P.M.

Orpheus Choir

OF TORONTO


Be with us as the Orpheus Choir salutes the coming of Spring with seasonal music by Toronto composer Eric N. Robertson. Our March concert also features the Canadian Premiere of a striking Te Deum by Swedish composer Otto Olsson and the ever-popular Dixit Dominus, a dramatic and exuberant work in which the young Handel first displayed his unrivalled genius as a choral composer.

*Brainerd Bryden-Taylor, Conductor
Soloists: Stidwick Scholarship Recipients
Orchestra Orpheus*

OLSSON *Te Deum*
HANDEL *Dixit Dominus*
ROBERTSON *Another Spring*

Metropolitan United Church
51 Bond Street
(at Queen Street and Bond Street)

Tickets \$16. (\$15. in advance)
Seniors/Students \$13. (\$12. in advance)
Ticketmaster: 872-1111
For Information: 462-0160





Gallery Club

SEAFOOD • FESTIVAL


March 6-23, 1990



Escalopes of Halibut Fillet with Courgettes	\$14.50
Sai Wu Chou Yu (West Lake Sea Bass)	16.50
Fillet of Sole Walewska	12.95
Fillet of Fresh Salmon Trout Murat	13.75
Orange Roughy in Filo Pastry with a Champagne Sabayon Sauce	14.50
Szechuan Style Stir-Fry Shrimp and Scallop	16.95
Jumbo Shrimp Tempura	16.95
Fillet of Arctic Char Inuit	15.75
Mignonnette of Beef Tenderloin with Wild Mushrooms and Peppercorn Sauce	17.50

Dining Room Hours: Tuesday through Friday
5:30 - 7:30 p.m.
For reservations call: **978-2445**





**WOMEN'S STUDIES,
NEW COLLEGE, PRESENTS**

NANCY MORE JON

"Foundation of Imago: Conceptions of Creative Writing"

Director of the Centre for Caribbean Studies
at the Casa de Las Americas, Cuba.
Internationally acclaimed writer with many collections of poetry.
Her latest work, *Where the Island Sleeps Like a Wing*,
is published by Black Scholar Press in the United States.

**March 23, 7 p.m.
New College Room 1016**

Free admission, members of staff, students and public cordially invited.

The Department of Philosophy
presents

The Jerome S. Simon Memorial Lectures

MIND AND MORALS, MAN AND BEAST, IN ANCIENT GREEK PHILOSOPHY

Richard Sorabji
King's College London

4:10 p.m.
Trinity College, George Ignatieff Theatre
15 Devonshire Place
University of Toronto

Thursday, March 15, 1990	The Crisis of Sense-Perception
Tuesday, March 20, 1990	Cognition without Belief
Thursday, March 22, 1990	Reason
Tuesday, March 27, 1990	Justice

ALL WELCOME FREE ADMISSION

Universities resist equality for women, says Brown

UNIVERSITIES are "bastions of turgidity and orthodoxy" that do little to deal with violence and sexism against women on their campuses, says feminist Rosemary Brown.

"Violence does not occur in a vacuum," Brown said during the keynote speech at the University's one-day teach-in on sexism. "There has to be a climate of tolerance — either an overt or covert infrastructure that allows violent acts to escalate."

Speaking to about 700 people at Convocation Hall March 8, Brown criticized the educational system for maintaining a status quo of discrimination and exploitation of people on the basis of race, class and sex. Universities are "designed to be biased and to lend legitimacy to biased ideas which are perceived to be in the best interests of society."

However, Brown, the executive director of MATCH International, an organization dedicated to improving the situation of women around the world, was enthusiastic about the teach-in, calling it a "major breakthrough."

The former professor at Simon Fraser

University said she couldn't believe that universities are "finally going to admit there's sexism on campus. I've heard it denied so often, in so many ways and by so many academics."

Universities, she noted, resist the idea of equality for women. They don't pay enough attention to cases of sexual harassment and assault or sexist orientation practices. Women's studies programs are underfunded, there is a shortage of grants for feminist research and a lack of female academics in top administrative positions.

Educational institutions must become "agents of change" by taking progressive action such as that of the Ontario College of Art, which recently adopted an affirmative action policy for the hiring of women.

From the time women enter kindergarten, they are socialized to accept discrimination and sexism, she said. They grow up believing work outside the home is only temporary and their careers are secondary to those of men.

"Men don't want their wives' incomes to overshadow their own," she said. "Women are prepared for dependency;

men, for responsibility."

On entering university, many women gravitate towards arts and away from science programs.

"Women choose those courses where they feel comfortable, accepted and safe," she said. "The boorish behaviour of a minority of men in engineering has scared women away from what men perceive of as their turf."

There must be a greater effort on the part of men, women and administrators to end the "terrorizing of women" that has been happening with increased frequency on campuses, Brown said. "The ivory tower must be as safe for us as anywhere else we choose to work."

The violence Canadian women face is simply a reflection of the situation all over the world, Brown said. Under Islamic law, victims of rape are stoned to death for their "participation"; in parts of Africa and the Middle East, genital mutilation is still practised to ensure women remain virgins until their wedding night; and in India, there have been cases of young brides without large dowries set ablaze by angry in-laws.

"Speaking Out: Sexism and the day of reflection, consciousness education for participants in U of T in held in response to the shock at the University of Montreal in the downtown campus, about 45 sessions, discussion groups and films de such as violence against women sexism in academic life and nation. Scarborough College's attended by about 500 people, such as security on campus and harassment. *Bulletin* writers Ga Karina Dahlin and associate ed covered three of the presentati

U of T celebrates International Women's Fight sexism

ELIMINATING sexism and violence will be a long uphill battle with no easy solutions, Senator Lorna Marsden told about 200 people at the conclusion of the University's day-long teach-in.

Calling efforts to eradicate sexism and violence "a very long-term project," Marsden, a sociology professor, said she wishes there were a "five-point agenda." The teach-in, though, is a good beginning because it shows that the community opposes sexist attitudes and intends to do something about them.

Don't miss a well-deserved vacation!

Are you passing up a much-needed spring vacation that you really deserve?

If you're cash-short and DO deserve a vacation, drop by the UNICOLL Credit Union. We can help you arrange a vacation loan and set up an easy payment schedule that suits your budget. (We can even arrange a payroll deduction plan to take care of your payments...and to begin saving for next year's vacation.)

Drop by and fill out a loan application today. And when you're home tonight, turn to the travel section of your newspaper, pick one of those fantastic last-minute bargain packages to a warm and sunny destination, and start packing!

UNICOLL Credit Union

245 College Street (just east of Spadina) 978-5505



**TORONTO
NATURE
CENTRE
DAYCAMP**

- An unforgettable introduction to nature
- Daily hands-on sessions with live animals
- Field trips by bus to wetlands & forests outside Toronto, 2 days/week.
- Discover butterflies, beetles, birds, frogs, snakes, minerals & microscopes and much more through a game & workshop approach.
- Senior nature interpreters
- 1 & 2 wk. sessions in July & August at Branksome Hall for boys & girls 6-14 yrs.

For information/brochures:
(416) 921-7106

**VISIT THE NEW
TORONTO NATURE CENTRE
RESOURCE STORE**

A new and unique store dedicated to servicing nature and science enthusiasts.

- FOSSILS • MINERALS • SCIENCE TOYS •
- TEACHING AIDS • BOOKS •
- EXCELLENT BARGAINS •
- ONE-OF-A-KIND SPECIMENS •

286 Avenue Rd.,
(Lower level-N. of Dupont, west side)
Store Hrs: Tues. to Fri. 1:30-5:30 p.m.;
Sat. 11-5 p.m.



UNIVERSITY OF TORONTO

CAMPUS MASTER PLAN

Discussion Draft
January 1990 (Revised)

Edited
February 1990

Members of the University community are invited to submit written comments or request to speak at special meetings of the Planning and Priorities Committee of Governing Council to be held on Monday, March 26, 1990, at 4:00 p.m. and Monday, April 2, 1990, at 3:00 p.m. in the Council Chambers, Simcoe Hall.

Please call Dominique Petersen, Secretary, Planning and Priorities Committee at 978-8427 by March 23, if you intend to make a submission.

UNIVERSITY OF TORONTO CAMPUS MASTER PLAN

Introduction

Over the years, the University has had various plans for campus development. Some of the plans have actually been called campus master plans, while others have been parts of larger plans involving the scale and shape of the University at large. The most recent formal campus master plan was approved by the Governing Council in 1975. Master plans were prepared for the Scarborough and Erindale Campuses at the time of the Colleges' establishment, but have not been kept up to date, particularly in light of the freeze on capital funding which truncated their development in 1972.

Campus planning has been growing in importance for several reasons. The availability of a comprehensive, multi-year capital plan makes possible for the first time a projection of capital development as it would affect campus development. The projection indicates real limits on the potential for future development. Those limits make careful planning for campus development essential. In the case of the St. George

Campus, the City of Toronto has an Official Plan which it did not have when the previous campus master plan was set. A new parking policy and municipal by-law, negotiated uniquely for the University of Toronto's St. George Campus, is now in place and makes projections of parking requirements possible. Finally, the past poses a planning imperative for the future. It is a matter of unfortunate fact that campus development, including building location and architectural design, has not always proceeded as well as it might have.

Early in 1987, in conjunction with the development of the Capital Plan and Campaign Program, an Advisory Committee on the Development of a Master plan was formed with the following terms of reference:

1. To advise on the development of a comprehensive campus master plan, taking into account the known and probable development of programs, services, and traffic patterns (vehicular and pedestrian), the renewal of existing facilities, and construction of new ones.
2. To co-ordinate the plan for the St. George

Campus Master Plan with other plans, such as those developed by the Arboretum Committee, the City of Toronto, Metropolitan Toronto, the Federated Universities, and other adjacent institutions.

Since 1987, the membership of the Advisory Committee has variously been: Robert Allsopp, Professor, School of Architecture and Landscape Architecture

Marc Baraness, Director, Architecture and Urban Design Division, City of Toronto

Murray Boyce, Planner, Planning and Development, City of Toronto

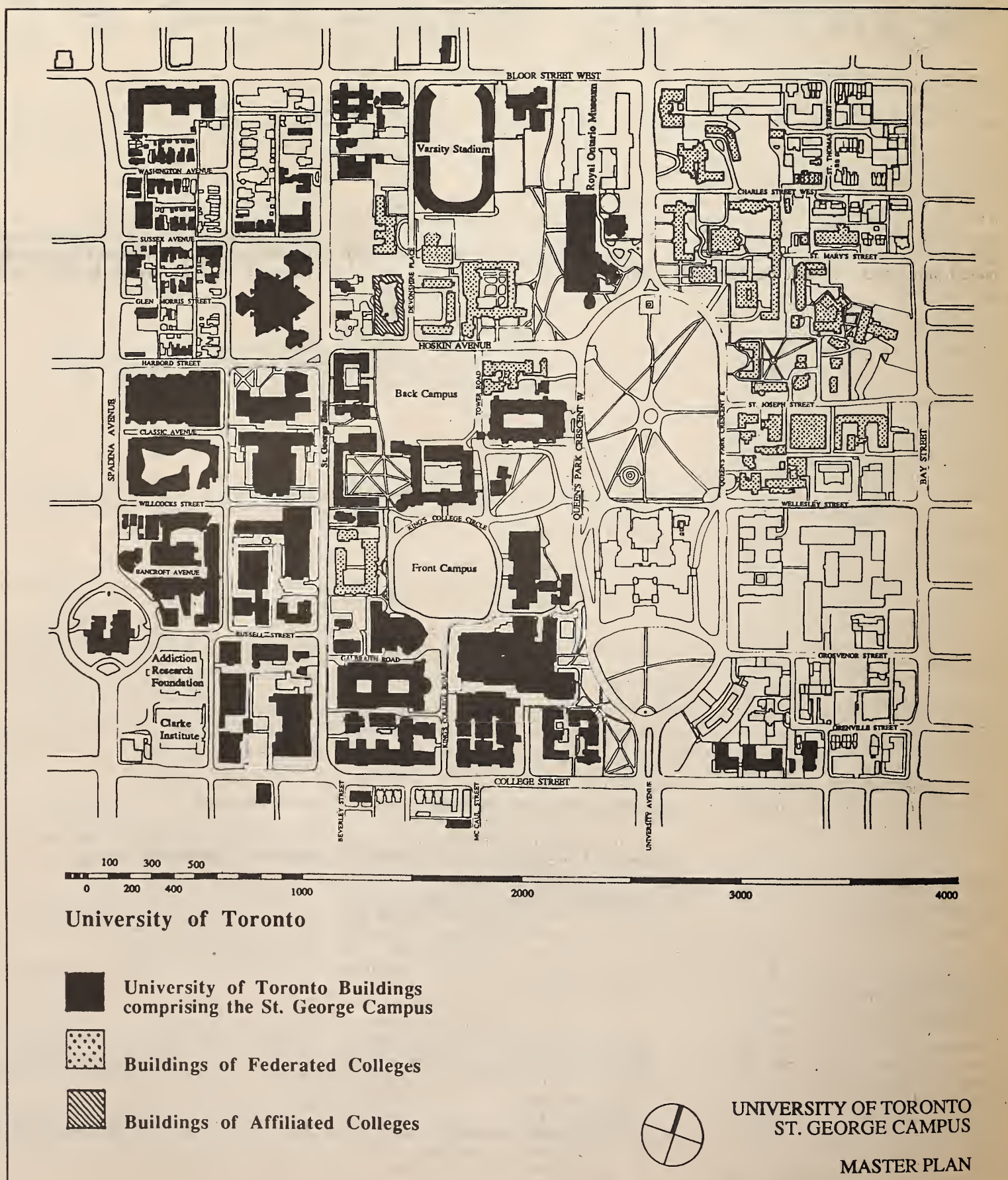
Anthony Eardley, Dean, Architecture and Landscape Architecture

Ed Fife, Professor, School of Architecture and Landscape Architecture

Ken Greenberg, (former) Director, Architecture and Urban Design Division, City of Toronto

William Greer, Head of Historical Preservation Division, Toronto Historical Board

Wendy Jacobson, Urban Designer, City of Toronto



Michael Karowich, Planner, Urban Design, City of Toronto
 Ihor Kotowycz, Assistant Manager, Design and Construction
 Daniel D. Lang, Assistant Vice-President (Planning) and University Registrar (Chair)
 Cathie Macdonald, (former) Manager of Central Core, Planning and Development, City of Toronto, (current) Director, Buildings and Inspections, City of Toronto
 Janice Oliver, Assistant Vice-President, Facilities and Administrative Systems
 Robert Painter, Provost, Trinity College
 Charlotte Reeve, graduate student representative, Graduate Students' Union
 Peter Richardson, (former) Principal, University College
 John Williams, Professor, Department of Botany, Chair of Arboretum Committee
 Michael Ufford, Acting Midtown Manager of Central Core, Planning and Development Department, City of Toronto
 Elizabeth Zdansky, student, Program in Architecture Secretariat
 Elizabeth Sisam, Research and Planning Officer, Campus and Facilities Planning
 Anne McIlroy, Assistant Research and Planning Officer, Campus and Facilities Planning
 Sholem Peliowski, Architectural Assistant, Office of the Assistant Vice-President (Planning)

The advice, assistance, and attention of the members of the Committee have been of the utmost value. The Committee was truly a working committee, as members reviewed various plans and proposals in detail, met with architects, and in some cases prepared plans themselves.

In the course of the Committee's work it became apparent that a campus master plan should be developed in two parts: principles for the development of campus master plans, and one implementing the plan in detail.

To test various aspects of implementation, the Advisory Committee studied a single block of the St. George Campus — St. George, Russell, Willcocks, and Huron Streets — in detail. The study is a prototype of the form that a campus master plan should take.

The Campus Master Plan is in two separate parts:

1. University of Toronto Campus Master Plan
2. University of Toronto Campus Master Plan Implementation: St. George Campus

For any plan to be successful it is important that there be consultation and discussions with members of the University community and the various and varied neighbouring communities near the University. Toward that end, a full public participation process will be developed for both inside and outside the University community to be chaired by the Vice-President, Development and University Relations, Gordon Cressy.

The first part outlining the planning principles is now being circulated for discussion. In addition, the Capital Plan, 1988-1992, has been included for information.

A definition of a campus master plan

The pattern of campus development for colleges and universities is highly varied. This is true generally and for the University of Toronto specifically. The pattern has included for many institutions the use of campus master plans. Although the term "campus plan" or "master plan" is broadly used, its meaning is quite indefinite. Such plans have in various ways indicated the location of facilities, building type, building size, circulation patterns, landscaping, historic designation, and, in a few cases, general design standards.

Campus master plans have failed as often as they have succeeded. Failure has

often resulted from poor integration with municipal planning, unrealistic assumptions about the resources available for development, inattention to implementation, and inflexibility. Plans have succeeded when they have been realistic in terms of resources and municipal planning, when they have provided a process for implementation, and when they have allowed for a healthy margin of flexibility in expectation of changing environments.

The history of campus planning has not been progressive. Interest in campus planning has waxed and waned. One should not therefore necessarily think in terms of the success or failure of campus planning, but rather in terms of choice. There have been periods when colleges and universities have chosen to employ a campus planning process, and periods when they have not. The choice has not always had to do with the efficacy of campus planning.

Whatever colleges and universities have chosen to do in regard to development of their campuses, a central question has remained: how can a sense of order, place, and community be brought to campus development? Put another way, the question is about timing: how can comparatively short-term consideration be harnessed to respect a long-term view of campus development? A problem in all college and university planning is the variety of planning cycles that are inherent in the institutions. Some cycles are short, perhaps four or five years, while others are much longer. Decisions about buildings are the longest.

It would be easy to say that the long-term should take precedence over the short-term. A campus master plan that is seen as a blueprint for the future is the most common means of enforcing the predominance of a long-term vision. Experience has demonstrated, however, that static plans do not succeed. Successful campus master plans have had certain characteristics:

- i. They are based on clear principles and objectives.
- ii. They are accessible for review and modification.
- iii. They do not specify design criteria or detailed building programs, but they do express goals for the character of buildings and open spaces.
- iv. They are flexible, offering alternative approaches to the use of sites and to means of realizing building programs.
- v. They reflect and fit the community of which they are a part. They fit the institution's needs and role.

Background

The University of Toronto is a complex, decentralized institution in three complex and diverse cities, all of which together are rapidly growing. The institutions and residential and commercial areas that surround the University are in the midst of expanding and new enterprise is growing around its periphery.

The St. George Campus Master Plan identifies design concepts and implementation strategies intended to ensure a future which responds to the present demand for and constraints on development within the University, the immediate community and the City, and which also recognize past traditions of building of the University of Toronto. Comparable plans are being developed for the Scarborough and Erindale Campuses.

An objective of the plan is to put forward planning principles that will guide the University towards a systematic and comprehensive approach in the planning of its facilities and grounds. One purpose of the plan is to provide a basis for evaluating alternatives for capital development. The guidelines will assist in the construction of well-designed buildings and respond to the environment within the University.

The Campus Master Plan is not a capital plan. The decisions articulated by the Capital Plan, 1988-1992, identify capital development to expand academic and research program facilities. The urban design principles set out by the Campus

Master Plan will determine the shape of new development identified in the Capital Plan.

The last era of capital expansion for the University, from the period of the mid '60s through the mid '70s, was in some important respects unfortunate. On the St. George Campus, in the area west of St. George Street, the qualitative aspects of building and landscape design that distinguish the east campus are unfortunately absent. As the University is about to embark on perhaps an even more significant building campaign, one major task of this study is to articulate the deficiencies evident in the west campus and to suggest strategies for their correction and integration with the east campus. On the Scarborough and Erindale Campuses, the original master plans were left incomplete as a result of a freeze on capital funding which was imposed by the provincial government in 1972-73. Although incomplete, the plans are still valid and consistent with the initiatives for development that have occurred since 1972-73.

One significant aspect of campus planning is the notion of "the University in the City." Aside from its obvious urban environment, the University on the St. George Campus is physically divided into three sectors. The area east of St. George Street comprising University owned streets with limited traffic flow and an extensive pedestrian network, the west side of St. George Street where original city blocks remain largely intact, where earlier University development has been confined to the block areas, and the area east of Queen's Park and along College Street.

The St. George Campus Master Plan establishes a planning context for what falls within the City of Toronto's Official Plan as the "University Precinct." Specifically this area is within Spadina Avenue, Bloor Street, Queen's Park Crescent West and College Street. **The planning principles have been developed through a consultative process, where representatives of the University, faculty, staff and students and administration have met with representatives of the City, including the Toronto Historical Board and members of the community over a period of two years.**

Long-range planning must reflect the central concerns of the University, its instructional and research objectives, and its sense of community. The development of this plan has entailed the extensive examination of the existing conditions of the St. George Campus with a particular view to the selection and analysis of elements which can be reinforced to emphasize and complement what already exists. A series of studies has been undertaken analyzing existing elements, such as pedestrian routes, gardens, parks and streets found throughout the campus. The results of these analyses have determined the principles which have been set out in this report. The approach to devising master plans for the Scarborough and Erindale Campuses are following similar paths.

Some of the site planning analyses are available for perusal in the Office of the Governing Council Secretariat.

A Chronology

In 1828, King's College, the predecessor of the University of Toronto, purchased a tract of land comprising approximately 150 acres.

By 1853, as the result of the Expropriation Act, a prominent area was taken for the Legislative Building.

Through the years the total acreage of the University was gradually reduced until, by 1947, only 88 acres were being used for University purposes.

The other lands were now owned or put to use by other institutions (provincial, government, municipality, federated colleges etc.).

The Era of Expansion, 1957-1968

Recommendations found in the Report of the Planning Advisory Committee in 1957

outlined physical expansion of the University corresponding to anticipated increase in student population (to 23,000).

The type and use of all new building and the use of all existing University buildings were proposed.

A decision made by the Provincial Government at that time permitted expansion to the west side of existing University lands and west of St. George Street.

Approximately 33 acres were expropriated for the St. George Campus in order to accommodate a doubling of enrolment foreseen in the next 12-year period.

The Committee recommended:

- at least one major University faculty or division be located on the west campus, thus reducing the possibility of creating a "subsidiary or second-class campus" only accommodating a heterogeneous group of divisions;
- that vehicular traffic be strictly controlled on the west campus, and cars not be permitted direct access from Spadina Avenue;
- the design and location of new buildings should avoid disturbance from the noise of traffic, and therefore should be located back and away from main streets;
- structures not exceed 10 storeys;
- heavily used areas, such as classrooms and laboratories, be located within walking distance from street level, i.e., from three levels above ground and one level below.

Although not a recommendation, the concept of a "health science centre" at the southeast corner of the campus was introduced and partially realized by the decision to construct and locate the medical sciences within the campus instead of to the south side of College Street.

Revisions to the Master Plan — 1962 and 1975

Revisions to the Master Plan (1962) were proposed when it became apparent that the University would continue to expand beyond the predicted level of enrolment. It was also foreseen that the St. George Campus would focus more on the area of graduate studies.

Planning during this period recognized that expansion through land acquisition would be limited to a particular precinct, and that optimal use of land would require much higher densities than the other areas of the campus.

The existing density of the east campus was 0.8, whereas the proposed density for the lands west of St. George Street was 2.0.

Increased need for student housing associated with the enrolment increase was proposed to be located south of College Street between Simcoe Street to Spadina Avenue down to Dundas Street.

Vehicular traffic on St. George Street remained a concern to planners, as did the proposed Spadina Expressway with its associated environmental impact along the western edge of the campus.

Major parking structures were planned for the eastern and western edges of the campus to act as a buffer separating the noise of the traffic from the arterial streets on the periphery. The removal of vehicles from St. George Street was examined to unify the St. George Campus by extending the "walking campus" to the west side.

In 1975, a "University of Toronto Plan" was approved by the Governing Council. The plan established the following planning principles:

- Group faculties and departments which have close relationships or common interests in order to encourage interaction among their staff and students.
- Design an aesthetically agreeable campus in which buildings and open areas interact to provide a pleasant environment for academic activities.
- Design space needs in light of academic requirements to ensure effective use of existing space and as an aid to the planning of replacement space.
- Whenever possible renovate buildings of historic interest and architectural merit that are structurally sound and suited to

suited to academic use.

- Remove buildings which are not suitable for renovation or are inappropriate for academic functions.
- Vacate leased space with the dual aim of bringing University divisions back into the campus and reducing the drain on the operating budget.
- Provide replacement space sufficient to accommodate departments and divisions displaced by demolition or relocated from leased space.
- Confine future campus development to the area bounded by Bloor, Bay, College and Spadina.
- Implement the parking policy designed to transfer parking to special facilities, maintain parking rates at levels comparable with those charged by non-University parking companies in the area, and reduce parking spaces as public transportation service to the campus improves, especially from suburban areas.
- Consult with City officials at an early stage of the establishment of a campus plan which will reflect the concerns of the surrounding community.

1983 Development Principles

In 1983, the University commissioned a major study of the development potential and feasibility of several sites on the St. George Campus and the Scarborough Campus.

Reasons for the study were related partly to planning considerations and partly to financial considerations.

With approval in principle for the development of the southwest campus the need to plan for the secondary effects of the development, such as vacating several major buildings, was necessary.

Plans were needed to assist in the evaluation of development for those few remaining areas of land.

The University's deteriorating financial condition, due to shortfalls in public funding, has focused attention on the University's capital assets. Although the University is not totally free to develop capital assets, there has been some encouragement by the Ministry for universities to pursue commercial development possibilities. One specific consideration combined planning and financial concerns: whether some buildings or sites could be developed to provide rental facilities for contract research at relatively low rates.

Plans for developing specific sites are subject to the following principles adopted by the Planning and Resources Committee and Governing Council in 1983:

1. Building design and property use on each campus should be such that interference with campus activities is minimized, that the campus integrity is maintained and that the sense of the University precinct is retained.
2. University ownership of land on the St. George Campus should be retained within the main University precinct bounded by College Street, Spadina Avenue, Bloor Street and Queen's Park Crescent, and such land should not be pledged as security in any development ventures.
3. Buildings or those parts of them which have special architectural detail or historic value should be protected.
4. The impact of property value should be considered.
5. The expected benefits of commercial development for any given property should be judged against the benefits to be achieved by the best possible University use of the property, including possible cost-recovery ancillary uses.
6. Development arrangements should be constructed in a manner such that the University's status as a tax exempt charitable institution is preserved.
7. The general objective in pursuing commercial development is to maximize financial gain adjusted for risk.

The University Today

Plans for the University of Toronto's campuses are not predicated on enrolment

growth beyond current levels. The University is currently engaged in negotiations with the Ontario Council on University Affairs in regard to the determination of a new formula funding "corridor." **These negotiations are for the long-term. If they are successful, the University's total enrolment will remain relatively stable, but the mix between undergraduate enrolment and graduate enrolment will shift towards graduate enrolment.**

There is therefore no known reason to assume that the University of Toronto will be forced to expand its enrolment in the foreseeable future.

Even if there are no plans for increased enrolment and no foreseeable need to increase enrolment, why should campus plans make provision for new facilities?

- i. The University has large amounts of obsolete and functionally inadequate space.
- ii. The University has 94 buildings on the St. George Campus. Sixty-six per cent of these buildings are over 40 years old. Eighty-five per cent are over 25 years old. Thirty-eight of these buildings are historically and architecturally significant.
- iii. Research, measured in terms of the dollar value of research grants and contracts, has been increasing at approximately 4.6 per cent per year.
- iv. A shortage of student housing off campus has created a demand for student housing on campus.
- v. Libraries must expand as scholarship expands. Research and scholarship are "growth industries" in the sense that replication of the status quo would be inconsistent with the University's mission.
- vi. The University, partly in response to public demand and partly as a result of inadequate funding, is becoming more entrepreneurial. The projects that result — for example, Ontario's Centres of Excellence — can have major space requirements.

The period 1975 to 1986 was one during which enrolment increased significantly, but most of the increases in the space inventory occurred in areas that are not highly sensitive to enrolment.

The juxtaposition of the needs of research, the obsolescence of existing facilities, and the historical and architectural significance of many buildings impose constraints for campus planning.

New buildings must be constructed in response to need when renovation, adaptive use or extension is not a practical alternative.

New sites must be provided because historic and architecturally significant buildings cannot be demolished.

Issues for campus development

Institutional Role in Municipal Planning

The opportunities for development and the form of development can depend on the approach that the University takes towards municipal planning — as a private property owner, with all of the rights attendant to that status, or as an active public participant in overall municipal planning for development.

Reservation for Future Institutional Use

Considering rates of growth in the University's space inventory in the last 20 years, and the number of historic properties on the St. George Campus, the advisability of large-scale property development, particularly on the St. George Campus, has real limitations.

Under current zoning by-laws, only about 500,000 square feet of expansion is available on the St. George Campus.

The 1988-92 Capital Plan and Campaign Program would consume nearly 50 per cent of that potential.

Reservation of property for institutional use versus development for revenue must

be examined.

Assets

Although it is customary to regard property development as a means of capturing and maximizing land and other real property assets, in the absence of an immediate need for liquidity or investment opportunities not developing property may be the best means of protecting and maximizing its value as an asset.

Timing of development will remain as an important question, particularly in relation to long-term budgetary prospects.

In the same context, depending on probable rates of appreciation, the University might find it advisable to invest in more property.

Revenue

There are basically three purposes for which property might be developed:

- to provide capital endowment;
- to provide immediate support for “one-time” expenditures (for example to reduce a deficit, to fund the Capital Plan, or to fund faculty housing);
- to provide long-term operating support.

The purpose of property development to produce revenue can affect the form of development.

Objectives for development

Any methods for development should hold certain objectives in common:

- They should allow sufficient public exposure to ensure that the University receives maximum benefit from the development.
- They should ensure that the public integrity of the University is maintained.
- They should regard land as a long-term asset.
- The University should make sites available to others only for uses that would coincide with institutional priorities.

1990 Principles

To ensure excellence in campus planning and design, directives which guide the University towards a systematic and comprehensive approach for evaluating design alternatives for buildings and grounds are necessary.

The following are general planning principles relating to campus planning, building design, site planning and landscaped open space to assist the University in various development proposals. The 1990 Principles incorporate most if not all that was approved in 1975 and 1983.

Campus Planning

1. To recognize that the University is set within an established urban environment and that planned development must fall within the parameters of the existing context and evolving development of the cities in which it is located.
2. To make full use of the development capacity of University of Toronto property, within the University precincts.
3. To encourage the use of alternative means of transportation and to maintain the current parking capacity as it is fixed to the population figures and redevelopment of each campus.
4. To plan for an architectural and visual coherence of each campus.
5. To ensure that existing areas and structures of historical or architectural significance are protected.
6. To enhance and emphasize the University's heritage and tradition.
7. To provide for unified academic communities.

Site Planning

1. To preserve and enhance structures, open space, and areas of historic significance and ensure appropriate integration for new development, renovations or additions.

2. To recognize the significance of existing continuous pedestrian paths as routes throughout the campus and to provide safe and convenient access to all University facilities.

3. To encourage the grouping of buildings with related use and technical support facilities.

4. To minimize the detrimental physical and visual impact on public areas.

Landscaped Outdoor Open Space

1. To include in project cost estimates designated funding for landscape improvements which cannot be disproportionately reduced within the project budget.
2. To give priority to landscape improvements on campus through the work of the Arboretum and Botanical Garden Committee to recommend trees and shrubs for instructional purposes and for the enhancement of outdoor space.
3. To respect and enhance existing University open space and gardens of significance when planning new development, renovations and additions to adjacent buildings.
4. To consider and respond to the effect of microclimatic conditions during peak use periods.

Property and Land Use

1. The use of physical resources of all kinds should aim to maximize realization of the University's academic goals. All University lands should be regarded as resources in service to the University's overall mission. No buildings or campus areas should be irrevocably assigned to or controlled by a particular division or department.
2. Capital improvements and the use of existing space should be coordinated to ensure the most effective use of all resources. The secondary ramifications of every major capital project should be identified as part of the planning for the project.
3. On the St. George Campus, building rehabilitation should be given equal consideration with building replacement in order to limit growth of the overall space inventory in terms of available sites for development.
4. Where possible, the University should plan to accommodate more than one use on the most central and valuable building sites.
5. The periphery of each campus should be used to accommodate activities that require convenient access by foot but which are not central to instructional programs.
6. The periphery of each campus should be planned to reflect and complement adjacent communities' and municipalities' plans for them.
7. Faculties and departments that have close functional or disciplinary relationships should be grouped wherever possible.
8. The University should vacate leased space whenever opportunities are presented to do so. The activities in leased space should be brought within the campus precinct. Where leased space on the periphery of a campus has become virtually permanent, the University should purchase the property when it is economical to do so.
9. Surface parking should be regarded as a temporary use of building sites. The permanent objective should be to locate parking underground or in multi-level parking structures. The University should comply with municipal parking and loading by-laws, but not voluntarily expand parking beyond those levels.

Considerations for Building Design

1. All buildings should be identifiable as University facilities contributing to the quality and coherence of the campus.
2. On the edges of each campus, the buildings should convey the identity of the University as well as ensuring appropriate integration to the adjacent communities.
3. Each campus component should be

developed as part of an integrated whole, consisting of built space, open space, and functional inter-relationships.

4. The net square area of each building should be fitted as accurately as possible to program requirements according to a system of objective space standards.

5. The gross square area of each building should be minimized as much as possible in order to keep building mass as low as possible and to reduce operating costs.

6. The exterior surface of each building should be kept to a minimum by avoiding highly complex designs and designs that are disproportional to the building “foot prints” that are required.

7. Building design should optimize environmental relationships by reducing exposure to winter winds and afternoon sun, and increasing exposure to southern and eastern sun.
8. Facilities that do not require surface locations should be built below grade when possible.

9. Infill should be considered where it can preserve and reinforce historical, aesthetic, or functional attributes of existing buildings.
10. Access for persons with physical disabilities must be fully provided where possible.

11. Where existing designs have proven to be inadequate, steps should be taken to adapt them to more favourable configurations.
12. Streetscapes should be identifiable through a unified system within the campus, through distinctive paving, lighting, signage, and outdoor furnishings.

Implementation

1. To establish a process that will ensure that the campus master plans will comply with the University's guidelines and objectives for campus planning to monitor campus development.

The terms of reference for this committee, the Campus Plan Review Group, will be:

- a. To review new construction, exterior renovations, and landscape projects to ensure that they are consistent with the 1990 Principles outlined in the master plan.
- b. To determine whether or not projects that do not conform to the 1990 Principles should be allowed, and if so, on what terms.
- c. To review formal submissions or briefs made to municipalities in the course of Official Plan review.
- d. To review the campus master plans on a periodic basis as follows:
 - i. When municipal Official Plans are reviewed, if the reviews may affect the University.
 - ii. Immediately after the approval of a new Capital Plan, to the extent that the Capital Plan calls for new construction or exterior renovation.
 - iii. Every five years if items i and ii do not lead to a review sooner.
- e. To advise the Assistant Vice-President (Planning) and the Planning and Priorities Committee on terms of reference a, b, c, and d.
- f. For the St. George Campus the committee should have representation from the membership of the Planning and Priorities Committee, the Business Board, Trinity College, the Assistant Vice-President (Planning) and the Assistant Vice-President (Facilities and Administrative Systems). Assessors will be formally invited from the Toronto Historical Board, the City of Toronto Planning and Development Department, Victoria University, and the University of St. Michael's College. Other assessors may be invited from time to time. At least one of the Planning and Priorities Committee or Business Board members should also be a member of the Capital Projects Review Group.
- g. For the Erindale and Scarborough Campuses, the terms of reference of existing committees may be expanded to include the proposed terms of reference a through e. The Assistant Vice-President (Planning) and the Assistant Vice-President (Facilities) will be ex officio members of the respective committees.

UNIVERSITY OF TORONTO

The Capital Plan, 1988-1992

Status document for information
February 1990

An important distinction must be drawn between the Capital Plan and the Campus Master Plan. They are not the same, nor should they be. The Capital Plan, 1988-1992:

- determines and identifies sources of funding that can realistically be available over a certain period of time;
- identifies and appraises the cost and content of projects for inclusion;
- seeks priorities among projects and assigns funds in various combinations to them.

The current Capital Plan is closely connected to the Breakthrough Campaign, nearly one-half of which is dedicated to capital improvement. The Capital Plan is comparatively long-term, beginning in 1988 and, when the time to completion of projects that begin in 1993 is taken into account, extending to 1995.

Campus master plans must make specific provision for every item in the Capital Plan and more general provision for future capital plans.

Background and Current Status of the Capital Plan, 1988-1992

The Capital Plan, 1988-1992, was first

approved in November, 1987, it was based on a series of particular assumptions and amounted to \$180.8 million (including the full costs of the Earth Sciences Centre and the Faculty of Law library).

The Plan was revised in April, 1988, resulting in new cost estimates for several projects and an authorization to borrow up to \$5.5 million in support of the Plan, but no priorities or assumptions were changed.

The enclosed version of the Capital Plan is based on projected cost indices as of October 1, 1988, and on a staggered schedule of project commencements. The Ministry invited universities to submit five-year capital plans with projects listed in priority order and sources of funding displayed.

- Preference is given to projects that are funded partially from private sources. Despite the Ministry's failure to respond to multi-year capital plans in 1988-90, it reiterated its commitment to multi-year capital planning and has indicated that its own submissions to the Management Board take the form of a five-year plan.

Review of Assumptions

- i. The Ministry will favour projects that are jointly funded on a 2:1 matching basis, with government funding

forming the larger portion. The matching could be applied on a global basis, thus for individual projects the matching ratio may be higher or lower than 2:1.

This assumption appears to have been correct judging from capital grants that have been made to the University of Toronto and other universities. Over 1987-88 and 1988-89, every grant has been to a project with a large private component: 43 per cent for Law, 30 per cent for Woodsworth and 77 per cent for the Pratt Building.

- Matching is still an important criterion for funding, but the 2:1 ratio seems to be no more than nominal.

- ii. The Campaign Program for campus development of \$48.5 million will be realized. Of that amount, approximately \$35 million will be available to match government funding.

- \$35 million of the total amount will be available to match government funding is also being realized, but to considerably varying degrees project by project.

- Progress towards the \$48.5 million is slower than towards other items in the Campaign Program.

Schedule 1: Capital Plan, 1988-1992 (Updated, February 22, 1990) (in millions of \$)

PROJECT	PRIVATE FUNDS IN HAND OR COMMITTED	PRIVATE FUNDS TO BE RAISED	TOTAL PRIVATE FUNDS	OTHER INTERNAL FUNDS	TOTAL UNIT FUNDS	MCU CAPITAL GRANTS COMMITTED	MCU CAPITAL GRANTS REQUESTED	TOTAL CAPITAL PLAN (1989\$)	SPACE PROGRAM AND PLAN UNDER DEVELOPMENT	SPACE PROGRAM AND PLAN APPROVED	DESIGN	TENDERED	CONSTRUCTION UNDERWAY	COMPLETED
PROJECTS SUBMITTED TO THE MCU:														
EARTH SCIENCES CENTRE	14.9	8.0	22.9	2.00 (1)	24.90	30.60	-	55.50	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	X
FACULTY OF LAW LIBRARY	4.2	1.7	5.9	0.00 (7)	5.90	7.10	-	13.00	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	
COMPUTER SCIENCE/ELECTRICAL ENG/CSRI	6.2	0.0	6.2	1.00 (2)	7.20	1.90	-	9.10	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	
UNIVERSITY-INDUSTRY LABORATORIES														
Phase I - Centres of Excellence	0.1	2.6	2.7	1.90 (9)	4.60	6.70	-	11.30	XXXXXXXXXXXXX	XXXXXXXXXXXXX	OCMR/MRCO(8)			ISTS(8)
FACULTY OF MANAGEMENT	2.9	2.1	5.0	0.00 (10)	5.00	0.00	10.10	15.10	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX			
WOODSWORTH COLLEGE	0.0	0.0	0.0	2.00 (4)	2.00	4.70	-	6.70	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX			
DEPARTMENT OF PSYCHOLOGY (1 SPADINA)	0.0	0.0	0.0	0.00	0.00	0.00	12.90	12.90	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX			
SCIENCE AND MEDICINE LIBRARY														
(Sigmund Samuel Canadiana Building)	1.0	1.0	2.0	0.00	2.00	0.00	0.75	2.75	XXXXXXX					
ERINDALE COLLEGE NEW ACADEMIC BUILDING	2.6	0.4	3.0	3.95 (6)	6.95	1.48	-	8.41	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX			
SUB-TOTAL: PROJECTS SUBMITTED TO MCU IN PRIORITIZED ORDER	31.9	15.8	47.7	10.85	58.55	52.48	23.75	134.76						
OTHER UNIVERSITY PROJECTS:														
FACULTY OF MUSIC LIBRARY	4.0	1.4	5.4	0.00 (7)	5.40	0.00	0.00	5.40	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	
EAST ASIAN LIBRARY	1.5	0.0	1.5	0.00	1.50	0.00	0.00	1.50	XXXXXXXXXXXXX	XXXXXXX				
KOFFLER INSTITUTE OF PHARMACY MANAGEMENT	3.4	0.9	4.3	0.30 (7)	4.60	0.00	0.00	4.60	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXXXXXXXXX	
TANZ CENTRE FOR NEURODEGENERATIVE DISEASE	5.2	0.0	5.2	0.00	5.20	0.00	0.00	5.20	XXXXXXXXXXXXX	PHASE 3/PHASE 4			PHASE 1 PHASE 2	
SCARBOROUGH HALL	1.1	1.9	3.0	0.00	3.00	0.00	0.00	3.00	XXXXXXX					
UNIVERSITY-INDUSTRY LABORATORIES														
Phase II, New Construction	0.0	3.9	3.9	1.00 (3)	4.90	0.00	0.00	4.90						
SUB-TOTAL, OTHER UNIVERSITY PROJECTS	15.2	8.1	23.3	1.30	24.60	0.00	0.00	24.60						
ANCILLARY OPERATIONS:														
STUDENT RESIDENCES AND FACILITIES	0.7	10.9	11.6	21.10 (5)	32.65	0.00	0.00	32.65	GRAD/2ND ENTRY		INNIS		ERINDALE SCARBOROUGH	
PARKING GARAGE	0.0	0.0	0.0	21.00 (11)	21.00	0.00	0.00	21.00						
SUB-TOTAL, ANCILLARY OPERATIONS	0.7	10.9	11.6	42.10	53.65	0.00	0.00	53.65						
FEDERATED UNIVERSITIES:														
	0.0	5.5	5.5	0.00	5.50	0.00	0.00	5.50						
TOTAL	47.8	40.3	88.1	54.3	142.30	52.5	23.8	218.51						

NOTES:

- (1) The scheduled cost of the Earth Sciences Centre to the Capital Plan, 1988-92, is \$16 million, as shown in the original Plan; the balance of the \$55.5 million total cost was scheduled and committed prior to 1988.
- (2) The Computer Science/Electrical Engineering/CSRI project includes accommodation for the Centre of Excellence in Information Technology. The Centre's budget includes \$1 million for space.
- (3) The University-Industry Laboratories will include some space the costs of which may be amortized against research contracts. The estimate of \$1.0 million is only approximate.

- (4) A student levy at Woodsworth College is estimated to raise \$2 million over 10 years.
- (5) Student residences will be funded by a combination of subsidies from the private-funding campaign and mortgages funded by room rents. The figure shown is the estimated value of the mortgages.
- (6) The Erindale College new academic building will be supported by up to \$3.25 million from the sale of property that will be declared surplus plus \$700,000 from College ancillaries.
- (7) Original Capital Plan figures have been replaced by approved tender prices.

- (8) OCMR is the Ontario Centre for Materials Research and MRCO is the Manufacturing Research Corporation of Ontario; ISTS is the Institute for Space and Terrestrial Science.
- (9) Funds contributed by Departments, Faculties, and AFD arising from overhead attached to OCMR and MRCO research programs.
- (10) Including \$1 million for an electrical substation.
- (11) 1,000 spaces to be funded by the Parking ancillary.

SOURCE: CAPPLAN16; FEBRUARY 22, 1990

- Over 80 per cent of the overall campaign goal has been realized, but only 27 per cent of the capital goal within the campaign has been realized. For the present, one should assume that \$35 million will be available.

iii. Projects in addition to those listed as priorities in the Capital Plan may be funded if unanticipated funds arise from private sources. Those funds will not be used for matching purposes unless and until the projects listed as priorities have been funded or unless the Ministry has indicated that they will not be funded.

- This assumption guided most of revisions that were made in the Capital Plan in April, 1988, as additional private funds were attracted to certain projects on a designated basis.
- Since the University's College Street properties east of University Avenue present a major opportunity for commercial development and are outside the University precinct, the Capital Plan may be amended to include a major project for the Faculty of Medicine. The purpose of the project will be to provide modern facilities for the academic activities that are now housed on the properties.
- The "space budget" that results from this arrangement may be allocated to other activities according to the Faculty's priorities.
- Net revenue from the development will in the first instance be directed to unrestricted endowment which may in turn be directed to capital purposes as well as other purposes.
- To reactivate and begin to realize the earlier concept of a health science centre, the Faculty of Nursing could be moved to the southeast quadrant of the east campus.
- The site on which the Faculty of Nursing is now located, plus the two sites immediately to the south (42 and 44 St. George Street), could be regarded as a major site for development.
- Preferred sites for these replacement developments will be additional floors on the Medical Sciences Building, College Street at Taddle Creek Road and a renovated Fitzgerald Building.

iv. The cost of operating one net assignable square foot of space is approximately \$8 annually. Expansion of the space inventory will be held to 120,000 net assignable square feet (nasf), regardless of funding. Projects that cause the inventory to exceed the limit will have to include funding for operational costs as well as capital costs. Funding for capital costs may be in the form of either an endowment or a cost recovery schedule. A project may be both within and outside the inventory if, for example, it is expanded beyond its planned level with unanticipated private funding. The portion outside the limitation would have to attract private funding for both its operational costs as well as capital costs.

This assumption has not been tested. It remains as important as it was when the Capital Plan was first set, particularly given the many other pressures that bear on the operating budget.

v. The probable level of funding from the Ministry will average about \$6.7 million annually for major projects. This figure is based on these assumptions:

- a. The total capital grant program will be increased to \$40 million annually, of which the University will receive about one-quarter.**
- b. Of the \$40 million, approximately one-third will be for "repair and renovation" and thus will not be normally available to the capital grant program for major projects. Over five years, then, the University might expect to receive approximately \$34 million from the Ministry for capital projects.**

- The capital grant program is no longer being identified separately. A commitment of \$440 million over four years was announced to fund all types of capital improvements in colleges and universities. The total capital allocation to universities out of the \$440 million was about \$72 million annually for all purposes. For 1988-89, the assumption was reasonably accurate, as funding for new starts was about \$44 million.
- The University received only about 7.5 per cent of the available funding.
- Funding for major capital projects is not based on a formulaic system of allocation. No real inferences that can be drawn from the experience of 1988-89. There have been other years when the University received proportionately less than the amount assumed by the Capital Plan, and years when it received considerably more.
- The 1987 figure was significantly below the system average; for 1988-89 it was significantly above the system average. The average over the two years was \$5.6 million. To realize the \$34 million target, the University will have to average \$7.6 million per year for the next three years, but the prospect of reaching the target is not great. The originally estimated \$6.7 million seems to be the most optimistic figure that could be reasonably assumed.

These funding patterns suggest the advisability of the following organization of the University's capital plans:

1. The financial span of the current Capital Plan should be 1989-1995, assuming that cash flow requirements of new starts approved in 1993 may extend to 1995.
2. The projects made necessary by plans for property development (for example, the Faculty of Medicine project) should be regarded as an addition to the current Capital Plan.
3. The current Capital Plan should not be extended as a "rolling plan." A new capital plan should be developed for 1993-1998 (or 2000 to include cash flow requirements of new starts approved in 1998).

vi. Matching funds from property development are potentially great, but in the next five years will be about \$2.5 million. It might, however, be possible to use the potential for future development as a means of underwriting the financing of projects that might precede development.

The estimate of \$2.5 million was an approximation that assumed the proceeds from the development of property at Erindale and the net proceeds of the development of property at Scarborough. The estimate has not been formally brought up to date; it is probably low.

- The revenue from development of the Erindale property will have a neutral effect on the Capital Plan because the proceeds are already committed to the Erindale capital project.
- The \$2.5 million figure probably could be higher to at least \$10 million.
- The net increase after proceeds to the Erindale project is probably on the order of \$7.5 million to the end of the current Capital Plan.
- The second capital plan — 1993 - 1998 — will rely more heavily on the proceeds of property development.

vii. Other matching funds (for example, the student levy for the Woodsworth College project) will not be generally applicable; they will be restricted to specific projects.

This remains a reliable assumption. Now that the Woodsworth College project will go ahead, it would be realistic to anticipate further student levies. One has been approved for Scarborough Hall.

Content of the Capital Plan

- From the viewpoint of campus planning, the Capital Plan gives two important signals — an agenda and projects that have a very high likelihood of being funded and proceeding. Sites must be reserved for them. The campus plans do not in return determine the

agenda of the Capital Plan.

- The Steps in the Approval of a Capital Project is the Governing Council's policy which determines the origin of projects which later may be included in capital plans.
- The need for a new project must be established before any planning or design is undertaken, before any priority is assigned to the project, and before any funds are committed to it.
- Need may be demonstrated in several ways:
 - a) Space analysis, using provincial and institutional space standards. Assumptions about academic programs and complement on which space analyses are based taking into account long-term requirements and capacity within the planned role of the program(s) and the University. These must be confirmed by the Vice-President and Provost.
 - b) A divisional plan which directly links the quality and effectiveness of academic programs or services to space requirements, and which has been approved by the Governing Council.
 - c) An external assessment of an academic program which is verified by the division, the Office of Space Management, and the Office of the Vice-President and Provost.
 - d) The introduction of a new or expanded program or service. (Space requirements should be identified when the program or service is approved or expanded.)
 - e) The existence of a fixed sum of funding, which should not be exceeded.

1 Earth Sciences Centre

The Earth Sciences Centre (ESC), completed in 1989, has provided 326,600 net assignable square feet of teaching and research facilities for the Faculty of Forestry and the Departments of Botany and Geology. Centrally managed classrooms and a large lecture hall have been built.

The relocation of these divisions to the ESC has allowed for a series of secondary effects, enabling other departments to be located in space released. A portion of the Department of Geography will be accommodated in 45 St. George Street. Queen's Park Crescent West is being renovated for the Faculty of Medicine to provide research facilities for the Tanz Centre for Neurodegenerative Disease. 130 College Street is being renovated and will be used by the Faculty of Applied Science and Engineering and to accommodate the Ontario Centre for Integrated Manufacturing and Ontario Centre for Materials Research. Space in 203 College Street will be renovated to accommodate the Department of Sociology.

2/10 The Faculty of Law Library and the Faculty of Music Library

The partial renovation and addition to Flavelle House and Falconer Hall will add 74,400 gross square feet of library space and associated teaching space to the Faculties of Law and Music. The partial renovation and addition to the Edward Johnson Building provides for a reorganization and expansion to existing library facilities and additional practice rooms for the Faculty of Music.

3 Computer Science/Electrical Engineering (CSRI)

A three-storey vertical addition to the roof of the Metallurgy Building will provide about 44,600 gross assignable square feet of research laboratories, graduate student study space and offices for the Department of Computer Science, Electrical Engineering and the Centre. This project, currently under construction, is scheduled for completion in April, 1990.

4 The Faculty of Management

The proposal to relocate the Faculty of Management to new space south of Bloor Street will allow for expansion of facilities associated with specialized teaching rooms and the library. The amount of space to be built is approximately 64,300 gross square feet. Approximately 29,560 net assignable

square feet will be vacated at 246 Bloor Street West when the Faculty moves to new quarters.

5/6 University-Industry Laboratories

The University-Industry Laboratories, associated with the Faculty of Applied Science and Engineering and relevant disciplines in the Faculties of Arts and Science and Medicine are planned to be located in renovated facilities in the Mining Building, 170 College Street. About 49,700 gsf will be renovated to provide new laboratories and associated research space to accommodate programs funded by the Centres of Excellence in materials research and manufacturing. The remaining portion of the building, about 51,900 gsf will be upgraded to provide additional space for the Departments of Mechanical Engineering and Metallurgy and Materials Science. A further phase of the University-Industry Laboratories project will be considered for inclusion in the next (1993-1998) Capital Plan.

7 Woodsworth College

The academic facilities and support space at Woodsworth College are planned to be upgraded and expanded. The existing building at 119 St. George Street will be renovated. Approximately 18,900 gsf and an addition of 25,600 gsf in training classrooms, faculty offices and student facilities is to be built to the rear of the site. The existing Drill Hall will be renovated to create an improved multi-purpose assembly area for student activities and for writing examinations.

8 The Department of Psychology

One Spadina Crescent, currently being

used by several departments, will be renovated for use by the Department of Psychology enabling the Department to consolidate its facilities in one location. The first phase of this plan, the addition of 3,350 gsf research laboratories, was completed in 1989. The remaining portion of the building, 91,700 gsf, will be renovated to provide teaching and research space and offices.

9 University of Toronto Library

The Science and Medicine Library will be expanded to provide additional stack space and compact storage facilities. The additions will allow approximately 20,000 gsf for future acquisitions. The expansion will be accomplished by the re-acquisition of the Sigmund Samuel Canadiana Building from the Royal Ontario Museum.

11 East Asian Library

The East Asian Library facilities located in the Robarts Library have expanded beyond their capacity. Additional stack area and compact storage will be provided by renovating adjacent space on the same floor. The Council of Ontario Universities will vacate its quarters in the Robarts Library by July, 1990, thus making possible the planned expansion of the East Asian Library. In a smaller project, the Office of Academic Statistics and Records will be relocated to the Koffler Centre, also to make room for expansion of the East Asian Library.

12 Koffler Institute of Pharmacy Management

This facility, now under construction, will provide a large auditorium, classrooms and resource centre for the Faculty of Pharmacy, and the University. Located adja-

cent to the Earth Sciences Centre, on Spadina Avenue, it completes the pedestrian route to the west campus. Approximately 20,600 gsf are being built.

13 Tanz Centre for Neurodegenerative Disease

Space at 6 Queen's Park Crescent West released by the Department of Botany is planned to be renovated to create new research laboratories, associated support space and offices. Approximately 56,000 gsf are planned to be renovated in two phases.

14 Student Residences

The University will expand its residence space by 1,352 beds: 142 on the Scarborough Campus, 168 on the Erindale Campus, and 991 on the St. George Campus, including 265 at Victoria University. Sites for all residence expansion are identified. On the St. George Campus, the Huron-Sussex area is reserved for residential development.

The first residence planned is for 235 beds to be built south of Woodsworth College on St. George Street. This residence is planned to be associated with Innis College.

15 Underground Parking Garage

An underground parking garage is proposed for the Back Campus, north of University College. The garage will provide a total of 960 spaces which can be constructed in two phases of 545 and 415 spaces each. The construction of a parking garage is required in order to comply with the existing City of Toronto Parking By-Law which stipulates that 2,030 parking spaces are to be located on the St. George campus. The plans for the garage will allow for the continued use of both playing fields.



iversity" was a
sing and edu-
arch 8 teach-
of 14 women
ember. On
0 people at-
ding panels,
with issues
the church,
women in edu-
day teach-in,
uded topics
ual abuse and
bate and
ane Stirling

es
mal
Day



Caitlin Fisher, a student in the Women's Studies Programme, participated in U of T's Jan. 17 memorial service for the 14 women killed in Montreal.

GREG HOLMAN

Men suggest keeping lines of communication open between sexes

WHAT DO men have to fear from feminism? Definitely enough to create an interesting discussion for an hour and probably enough to fuel a debate for years.

The provocative question was the title of a forum offered twice by the U of T Men's Group during the University's teach-in. Approximately 50 people attended the first session, chaired by Professor Richard Lee of the Department of Anthropology, at the Sandford Fleming Building.

Bruce Sutherland, a participant, said that women have gained more control, both at home and work, in their relationships with men. This can create problems because no one knows who is in charge. When men are in control, they feel guilty and women feel resentful. When women are, both parties feel insecure. "The only solution is to keep talking to each other," he said.

Ben Olshin, a don at Victoria College, said his students are confused by the mixed signals that women send. "How can we understand women when they follow old roles but we have to prepare ourselves for the new women?" It would be easier for men if all women followed the same ideology, he said.

Receiving mixed messages from women is not a reason to dismiss feminism, said a female participant. "It's also hard for women to tear down assumptions."

Rev. Michael Thompson, the dean of men at Trinity College, said men sometimes feel that women are too hard on them. "They [males] are not given the time to work things out."

Feminism can be threatening in a more concrete way. One participant said that as a white male he could be the victim

of affirmative action hiring practices. "It scares a lot of men that they might not be able to get a job."

Another participant said he usually identifies with the oppressed in society but, as a man, is cast in the role of oppressor which makes him feel uncomfortable.

A University College student said that he and other men feel "confronted and excluded" when they hear about feminism and that this stops them from getting involved. "It would be a good start if we could get over that sense of exclusion." Another student said he has learned more about feminism from talking to men who have thought about the issue than he has from reading feminist literature.

Feminists are defining new roles in society not only for women but also for men, said a participant. "Men have not had a chance to take part in the decision-making process." As an example, he said the University's guidelines for gender-neutral language were written by a committee with only one male member. Better cooperation between the sexes is needed, he said.

One participant who examined the issue of sexism from a Marxist viewpoint blamed capitalism. It is the system that is wrong, not the individual, he said, and it is therefore dangerous for men to feel personally guilty about sexism. Establishing a men's group is a bad idea, he noted, because it "looks too much like a group of oppressors."

Lisa Taylor, a student, said men's groups are "cropping up because they fear change." Feminist men and women should work together instead of opposing each other.

step at a time: senator

Sexism will only be abolished by changing the attitudes and behaviour of men, she said. Instead of trying to alter male actions en masse, Marsden urged the audience to take a one-on-one approach. "Set a goal to change one man a week."

It is especially important to change the attitudes of those with some control over women such as doctors, lawyers, judges and anyone else "who sees women as objects and their work as less valuable."

Women and their male supporters should become involved in campus clubs, the University's governing bodies and other groups fighting sexism. "Get involved and make a case against sexism. Stand up and be counted — repeatedly if necessary until we win."

Sexism on campus should be fought wherever it exists. "Is there anywhere on campus women can't go, any job we can't hold, any course we are not able to take, any award women are not able to win? If so, work to change that."

Women at the University are fortunate because of opportunities such as course offerings, enlightened discussions and a more flexible work schedule to fight sexism — opportunities that may not be available for women in the corporate sector or at home.

However, U of T is not exempt from the problem, she said. Women have had to deal with sexual harassment since they were first admitted to the University over 100 years ago and continue to face it today. Some steps towards solving the problem have been taken such as the appointment of a sexual harassment and a status of women officer.

In light of the Montreal killings, Marsden also suggested women support proposed gun control legislation that would require a two-week waiting period to purchase a gun and would validate permits for only two years instead of the current five. Women should also support women's centres and designate 1990 as the year of the girl-child as have some countries.

Finally, a course materials service designed with your needs in mind.

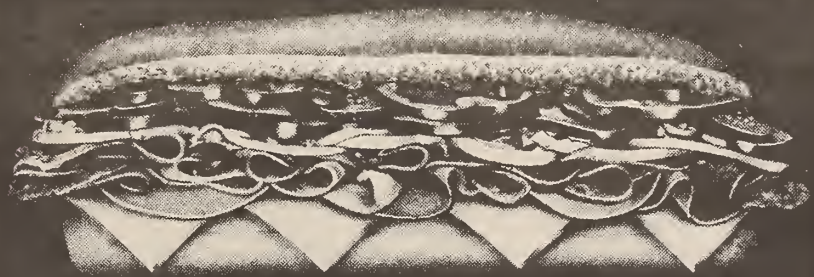
Kinko's Academic Services allows each student access to a personal copy of course materials and supplemental readings . . . at no cost to professor or department. Our license with CANCOPY, The Canadian Reprography Collective, allows legal access to copyrighted materials. To have your course materials copied and bound for individual student use, call Kinko's, the copy centre.

- Complete Copyright Assistance
- Campus Pick-Up & Delivery
- No Cost to Department
- Convenient Hours & Location
- Fast Turnaround
- Service You Can Depend On



PLEASE CONTACT CHRIS PACALL OR PETER LAIN AT 532-6559.

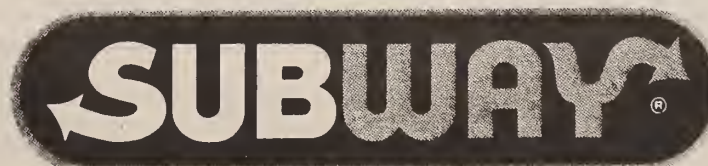
★ MIDNIGHT
★ SNACK,
★ DOLLAR
★ BACK. ★



Burning the midnight oil? Subway's the place to go to refuel. Get \$1.00 off the purchase of a footlong sub — anytime from 9 p.m. 'til we close our doors. Satisfy your midnight munchies — and save at Subway.

\$1 OFF ANY FOOTLONG SUB.

656 Spadina Ave. at Harbord
925-6020



Limit: One coupon per customer per visit. Not good in combination with any other offer. Good only from 9 p.m. to close. Offer expires 2 weeks after date of publication.



Responsibility

TO THE EDITOR:

Professor Philip Jones, founding director of the Institute for Environmental Studies, writes that environmentalists are no longer credible or well informed ("Devastation by indecision," Feb. 26). He suggests we "learn from the scientifically literate and not seek the technological and scientific approval of well-meaning amateurs."

One gets tired of listening to the scientifically literate. They are the ones who brought us Three Mile Island, Chernobyl, Bhopal, thalidomide, the Dalkon shield, DDT, Love Canal, the Challenger and radioactive contamination around American nuclear weapons sites. And yet Professor Jones says the "environmental interest groups" are "irresponsible!"

Many overfunded scientists make the sorry mistake of believing their monopoly of technological knowledge gives them the exclusive right to preside over ethical and environmental decision making.

Anne Hansen
University College Drama Program

On testimony and rights

TO THE EDITOR:

I write to correct an impression left by the headline "Report unfair, Slater says" in your issue of Feb. 26. As your story suggests, what I consider unjust is the use of the grievance review panel report for anything other than the settlement of Professor Marsha Hewitt's claim against Trinity College. A report criticizing third parties on the basis of secret testimony which they either did not hear at all or were given no chance to rebut can only be used against them by those who are insensitive to human rights. What was on trial was not the Faculty of Divinity as such but the college's handling of the grievance which Professor Hewitt first lodged in November 1987.

One can accept decision of the panel with regard to the grievance without agreeing that the panel was or is the proper venue for challenging the results of academic searches. By its own admission, the grievance review panel was unable to hear the bulk of the testimony presented in the Hewitt case, which consisted of the arguments concerning

TO THE EDITOR:

The "Cray wars" are apparently destined to continue at the University. In his last letter on the subject ("The hidden costs of a 'free lunch'," Feb. 12) Professor George Luste claims that my statement — that "the power and therefore the value of the Cray is an order of magnitude or more greater than that of departmental computer systems" — is not true. I must respond to this serious accusation if only to dispel yet another of the "anti-Cray myths" Professor Luste continues to create.

Let's examine the facts. The latest Cray performance report from the Ontario Centre for Large Scale Computation (OCLSC) shows that during the last three months of 1989 the average speed of the entire Cray workload exceeded 34 million floating point operations per second (M-FLOPS). The average speed of users' production jobs over the period of the last six months exceeded 40 M-FLOPS. On the other hand, the only fact known for certain about the performance of the SGI 4D/240 (cited by Professor Luste in his letter) is that its *absolute maximum* processor speed, as published by the manufacturer, will not exceed four M-FLOPS. Our average speed of 40 M-

FLOPS is *most certainly* an order of magnitude greater than the other system's maximum ceiling of four.

I would also like to assure Professor Luste that the supercomputer's electricity bill is not "absorbed in the University's utility bill." It is an explicit line item in the OCLSC budget.

Professor Luste's allusions to "an expensive free lunch to some computer users" is professionally demeaning to a very large community of researchers (several hundred of them) across Canada. Heavily loaded words such as "sad and tragic ... free lunch ... global financial woes ... at the unfortunate expense

of overall economy and common sense," being by their very nature impossible to substantiate, are out of place in any serious discussion of any issue.

In my opinion — and most unfortunately — Professor Luste will continue to search for faults with the Cray supercomputer and with OCLSC. I just hope that this will not deter anyone who really needs the power of the Cray from using it.

Anna M. Pezacki
Manager, technical support
Ontario Centre for Large Scale
Computation

A bad deal for U of T

TO THE EDITOR:

As a member of Governing Council — and one of the more vocal opponents of the decision to transfer McMaster Hall to the Royal Conservatory of Music — I was more than a bit disappointed at the outcome of the vote on the matter at the Feb. 8 Council meeting. However, the wiser among us counselled silence and good sportsmanship, and so we licked our wounds and accepted the will of Council. Nevertheless, a reply to Professor Emeritus Ezra Schabas ("The heart of the matter," Feb. 26) is in order. The facts speak for themselves.

Professor Schabas says that members of Governing Council who opposed the transfer of McMaster Hall to the Royal Conservatory of Music "ignored" the history of the conservatory. True, but we ignored it because it was never open to question. All members of Council and of the Business Board were aware of the wonderful job the conservatory does and of the necessity of the separation for its future growth. Council members based their deliberations on the assumption that the conservatory is an institution worthy of our support and concern and nothing less. If Professor Schabas had listened carefully, he would have heard that some members even suggested that a new building be built for the conservatory, one that would not require millions of dollars in renovations.

Our concerns regarding the conservatory's financial viability after the separation arose because its representatives failed to answer the questions raised by the Business Board in October. According to the conservatory's business plan, the estimated cost of renovations to McMaster Hall was to be about \$8.2 million. Other estimates, aimed at persuading Council that keeping McMaster Hall was not financially advisable for the University, put the cost at \$11 million in 1989 dollars. However, an accounting firm reported that in the next five years, the conservatory could raise only \$2.3 million, which would cover only the most essential renovations. In fact, the conservatory cannot reach its maximum potential — \$600,000 annually — until 1993. It has taken the University about five years to raise close to \$100 million, the equivalent of 22 percent of its operating budget. In the conservatory's case, \$8.2 million is equivalent to 82 percent of its budget. If this amount were borrowed, the interest alone would consume 12 percent of its budget!

The Business Board rejected the agreement because it was fiscally irresponsible. The board based its decision on information that the land and building in question are worth only \$6 to \$7 million. A later assessment put the value of the land at a minimum of \$11 million and potentially as high as \$26 million. Given the recent success of St. Michael's College in its attempt to sell a small parcel of land on Bay St. to a Toronto devel-

oper, we can expect the value of the Bloor St. property to be nearer the higher amount. If this is the case, the \$10 million buy-back guarantee for the University looks like real protection, until we remember that this right is forfeited if the conservatory spends \$5 million on the building: by spending \$5 million on a \$10 million property, the conservatory will end up with a \$26 million property — not a bad deal at all. But what about the University? It is unlikely that U of T will ever have anywhere near the amount of money necessary to repurchase the property. More ominously, there is no guarantee that the land will be used in perpetuity only for academic purposes.

Professor Schabas calls the opponents of the deal Philistines and says we are muddled and confused for not having understood or even read the documents provided us. Most of the documents are confidential, so he has no idea what documents we were given, or had access to, much less whether we read them.

Rob Behboodi
Law II

Sin no more

TO THE EDITOR:

With regard to the Forum article by Professor David Rayside ("Towards equality for lesbians and gay men," Feb. 26): I believe the University must reaffirm the essential value of the family. Our society is built on families in which husbands and wives, having made a lifelong commitment to each other, raise their children to take their places in the community.

Parents may send their children to university with the expectations that the professors, upright in behaviour, will impart worthy and true ideas and that the unmarried students' residences will be wholesome, celibate environments.

Homosexual relationships are bad: they divert resources from the establishment of the families that sustain and perpetuate our society. The human reproductive system has a normal use, as in the natural relationship of husband and wife. Abuse of the genitals and other body parts in acts of sodomy leads to injury and spreads disease.

However, the University must ensure that homosexual people in its midst have the opportunity to learn, to serve, to teach and to do research, although wrong behaviour must never be condoned. The cruel treatment of homosexuals described by Professor Rayside is also wrong. We need to seek the gracious yet authoritative attitude of Jesus, who said to the woman taken in adultery, "Neither do I condemn you. Go and sin no more."

Charles E. Chaffey
Department of Chemical Engineering
& Applied Chemistry

two of the candidates, only one of whom had legal representation as a named party in the dispute. I doubt that anyone not competent to assess the academic portions of the testimony could determine whether, if at all, there was any *improper* bias, which is what is normally required for overturning a committee decision.

What may not be generally known is that the majority of the divinity faculty, until now, has been under the direction of the provost, on the advice of counsel, not to speak up in its own defence. At this late date, all one can suggest is that it is disingenuous to suppose that the panel report constitutes a full and fair account of our three-year agony, on the basis of what has been made public by those controlling the flow of information.

Peter Slater
Trinity College

Inappropriate

TO THE EDITOR:

As a graduate of the Faculty of Divinity at Trinity College I am disappointed that Professors McWilliam and McIntire find it difficult to accept the decision of the grievance review panel concerning the Hewitt case (Letters from Readers, Feb. 26). One expects that the panel chose its admittedly strong language carefully when it described the meeting at Professor Peter Slater's home at which "eight of the 15 members of the search committee ... conspired to pool their votes to prevent [Hewitt's] selection." No doubt the panel had ample opportunity to consider the testimony of all parties in arriving at its decision. The college required that the hearings into the case be in confidence. It seems inappropriate for members of the Faculty of Divinity to dispute the decision (which the college has accepted) when the full information which led the panel to its decision is not available.

Another point that shouldn't be lost in quibbling over the details of the decision is that Hewitt won all three of her grievances against the college.

Robert Henderson
PhD candidate
Department of Philosophy

Letters deadlines

March 16 for March 26
March 30 for April 9

Letters should be submitted on a computer disk (5.25 inches) in WordPerfect 4.2 or plain text format, or on paper, typed and double spaced. Please include a telephone number and, if possible, a fax number. Disks will be returned if an address is provided.

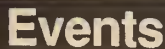
A DOWNTOWN BED & BREAKFAST NETWORK MONTREAL

Downtown, restored Victorian homes
with full breakfast

Fine Restaurants, Museums, McGill
and Old Montreal at your doorstep

Reasonable Rates Brochure

Downtown B & B Network
3458 Laval (at Sherbrooke)
Montreal H2X 3C8
Tel: (514) 289-9749



An Inch of Water: Jacob Leupold, Edmé Mariotte and the Measurement of Flow.

Thursday, March 22
Wilf Lockett, Institute for the History & Philosophy of Science & Technology. 323 Victoria College. 4:10 p.m. (IHPST)

Crucial Steps in the Evolution of Science.

Thursday, March 22
Prof. Frederick Seitz, Rockefeller University. 102 McLennan Physical Laboratories. 4:10 p.m. (Physics)

Seminars

Gender and Violence.

Tuesday, March 13
Prof. Pat Carlen, University of Keele, U.K.; Prof. Shelley Gavigan, York University; Prof. Philip Stenning, Centre of Criminology; and Zoe Hilton, Department of Psychology and Centre of Criminology. 8059 Robarts Library. 12:30 p.m. (Criminology)

Studies of Ultrafast Reactions in the

Condensed Phase.

Tuesday, March 13
Prof. Robin Hochstrasser, University of Pennsylvania. 134 McLennan Physical Laboratories. 4 p.m. (Ontario Laser and Lightwave Research Centre)

Cell-Cell Interaction Involved in Yeast Mating.

Thursday, March 15
Prof. Janet Kurjan, Columbia University. 2082 South Building, Erindale College. 5 p.m. (Erindale Biology)

Regulation of Plant Metabolism by Ca²⁺.

Friday, March 16
Laszlo Radvanyi, Hospital for Sick Children; membrane and signal transduction seminar. Room 1248, 1st floor, Elm St. wing, Hospital for Sick Children. 12:30 p.m. (Research Institute, Hospital for Sick Children)

International Influences on Australian Urban Development.

Friday, March 16
Prof. Alaric Maude, Flinders University, Australia; subterranean series. 212S Sidney Smith Hall. 2 p.m. (Geography)

Roots: Physiological and Biochemical Acclimation to Nutrient Stress.

Friday, March 16
Prof. Anthony D.M. Glass, University of British Columbia. 149 Earth Sciences Centre. 2:30 p.m. (Botany)

Acculturation in Roman Spain: The Example of Lusitania.

Friday, March 16
Prof. Jonathan Edmondson, York University. 152 University College. 3:10 p.m. (Classical Studies)

Biotechnology Patent Issues.

Tuesday, March 20
Canadian Patent Office; University-industry scientific series. 4279 Medical Sciences Building. 2 to 4 p.m. (Faculty of Medicine)

Laser-Ultrasonics.

Tuesday, March 20
J.P. Monchalin, National Research Council, Bocheville. 134 McLennan Physical Laboratories. 4 p.m. (Ontario Laser & Lightwave Research Centre)

Nonlinear Optics of Finite Periodic Media; or What Happens if Solitons Are Fenced In?

Wednesday, March 21
Prof. Martyn de Sterke, Department of Physics. 161 Lash Miller Chemical Laboratories. 4 p.m. (Nonlinear Studies Group)

Literacy and Schooling: A Cross-Cultural Perspective.

Thursday, March 22
Prof. Judith Green, Ohio State University. South auditorium, Ontario Institute for Studies in Education, 252 Bloor St. W. 2 to 4 p.m. (McLuhan Program, Focus on the Nature & Development of Literacy, OISE and Metropolitan Toronto School Board)

Adenylyl Cyclase System of Adipocyte Precursors.

Friday, March 23
Prof. J.L. Kirkland, Institute of Medical Sciences; membrane and signal transduction seminar. Room 1248, 1st floor, Elm St. wing, Hospital for Sick Children. 12:30 p.m. (Research Institute, Hospital for Sick Children)

Geopolitical Change in Eastern Europe.

Friday, March 23
Prof. Reiner Jaakson, Department of Geography; subterranean series. 212S Sidney Smith Hall. 2 p.m. (Geography)

Meetings & Conferences

Lunacy and Books in Pictures.

Monday, March 19
Prof. Terry Belanger, Columbia University School of Library Service; meeting of the Friends of the Thomas Fisher Rare Book Library. Thomas Fisher Rare Book Library. 8 p.m. Information: Rita Crump, 978-7645.

Governing Council.

Thursday, March 22
Council Chamber, Simcoe Hall. 4:30 p.m.

William Morris and News from Nowhere.

Saturday, March 24
Symposium of the William Morris Society of Canada. Possible Worlds, Prof. Trevor Lloyd, Department of History; News from Nowhere and the Idea of England, Prof. Peter Faulkner, University of Exeter;

Mind in Morris' England, Prof. Eugene D. LeMire, Flinders University of South Australia; Nowhere and London, Prof. Asa Briggs, University of Oxford; After 100 Years: Some Social and Economic Reflections, Prof. Leo Panitch, York University; How We Might Live, Donald Schmitt, A.J. Diamond, Donald Schmitt & Company, Architects and Planners, Toronto. 140 University College. 9 a.m. to 5 p.m. Birthday party; toast to Morris by Lord Briggs of Lewes. UC Union, 79 St. George St. 8 p.m. Registration fee before March 16 \$40, members \$35 and students \$10. Information and registration: 864-4825. (UC and William Morris Society)

Plays & Readings

Candida.

Wednesdays to Sundays, March 14 to March 25
By Bernard Shaw, directed by Lisbie Rae. Graduate Centre for the Study of Drama production, 1989-90 season. Robert Gill Theatre, Koffler Student Services Centre. Performances 8 p.m. except Sunday 2 p.m. Tickets \$7.50, students and seniors \$. Reservation: Monday to Friday, 11 a.m. to 5 p.m., 978-7986.

Holley Rubinsky.

Monday, March 19
Reading by Holley Rubinsky. H309, Scarborough College. 2 p.m.

Dionne Brand.

Tuesday, March 20
Reading by Caribbean-Canadian poet and short story writer Dionne Brand. S3S7, Scarborough College. 11 a.m.

Music

ROYAL CONSERVATORY OF MUSIC

Chamber Concert Series.

Wednesday, March 14
Members of the Royal Conservatory Orchestra. Concert Hall. 8 p.m.

Evening Series.

Friday, March 16
Senia Trubashnik, oboe and Lara Trubashnik, piano. Concert Hall. 8 p.m. Tickets \$9, students and seniors \$6.

Violin Pedagogy Seminar.

Monday, March 19
The Importance of the Thumbs in Shifting and Bowing, Lise Elson. 21S Royal Conservatory of Music. 9 a.m.

Violin Master Class.

Monday, March 19
With Lise Elson. 21S Royal Conservatory of Music. 3 to 5 p.m. Information: 978-3756.

Noon Hour Series.

Wednesday, March 21
Janet Lopinski, piano. Concert Hall. 12:15 p.m.

Young Artists Series.

Wednesday, March 21
Recital by students in the Professional Studies Program. Concert Hall. 8 p.m.

Thursday, March 22
Concert presented by students from the Professional Studies Program. Concert Hall. 5:15 p.m.

Art Gallery of Ontario Series.

Sunday, March 25
Susan Hoepfner, flute and Gloria Saarinen, piano. Walter Court, Art Gallery of Ontario. 3 p.m.

Information on all Conservatory concerts available from the publicity office, 978-3771.

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Thursday Noon Series.

Thursday, March 15
Music by student composers. Walter Hall. 12:10 p.m.

A Concert in Honour of John Beckwith.

Saturday, March 17
Selection of works by John Beckwith. Walter Hall. 8 p.m.

Faculty Recital.

Sunday, March 18
Vladimir Orloff, cello and Patricia Parr, piano. Walter Hall. 2 p.m. Tickets \$12, students and seniors \$7

U of T Guitar Ensemble.

Wednesday, March 21
Eli Kassner, director; Jack Bakker, conductor. Walter Hall. 8 p.m. Tickets \$4.

Concert Band.

Sunday, March 25
Bobby Herriot, conductor. MacMillan Theatre. 2 p.m. Tickets \$4.

FREE PUBLIC FORUM

MOTHERS IN PRISON- Should their children pay too?

Panelists:

Arla Gustafson, Executive Director, E. Fry Saskatchewan
Kathy Misener, child care worker, ex-offender
Johnna Lee Dalrymple, Brampton, Probation and Parole
Eve Fulton, homemaker, former CAS worker
Trish Crawford, journalist, Toronto Star

Wednesday, March 28 at 8:00 p.m.
St. Lawrence Centre, 27 Front Street East

Co-sponsored by The Elizabeth Fry Society of Toronto, 924-3708
and The Canadian Stage Company, 362-7041

GET A SOUND EDUCATION

Open College
University-level credit courses

Non-commercial Radio

91.1
CJRT-FM



College Park

College Park

Luxury Apartments for Rent
Toronto College Park (Yonge & College)
597-1221

Available Immediately

Bachelor	-	\$728.00	
1 Bedroom	-	from \$1,022.00	to \$1,133.00
2 Bedroom	-	from \$1,219.00	to \$1,329.00

Special Features Include

- ◆ indoor access to Subway (College stop on the Yonge line)
- ◆ indoor parking
- ◆ indoor access to large mall with over 100 shops and restaurants
- ◆ high profile security
- ◆ air conditioned
- ◆ sundeck and roof garden
- ◆ party room
- ◆ exercise room with sauna
- ◆ laundry room on each floor
- ◆ storage facilities on each floor
- ◆ sun drapes
- ◆ parquet floors
- ◆ excellent maintenance service
- ◆ friendly management

Information on all events in the Edward Johnson Building available from the box office, 978-3744.

Orpheus Choir of Toronto.

Friday, March 23
Brainerd Blyden-Taylor, conductor. Metropolitan United Church, 51 Bond St. 8 p.m.
Advance tickets \$25, students and seniors \$13; single tickets at the door \$16, students and seniors \$13.
Information: 462-0160.

SCARBOROUGH COLLEGE

Orford String Quartet.

Sunday, March 25
Concert and 25th anniversary silent auction fundraiser.
Meeting Place. 2 p.m.

Eve Geoyen.

Monday, March 26
Eve Geoyen, piano. Meeting Place. 12 noon.

Films

Innis Winter Film Program.

Thursday, March 15
Michael Snow's Presents.
Innis College Town Hall.
7 p.m.
Tickets \$3.
Information: 978-7790.

Exhibitions

SCHOOL OF ARCHITECTURE & LANDSCAPE ARCHITECTURE

To March 15
Visionary Soviet Architecture.
A collection of recent etchings by Alexandr Brodsky and Ilya Utkin; co-sponsored by Dunlop/Farrow, Architects.

Five Architectural Collaborations.

Five projects of Ted Cavanagh in collaboration with five other architects; from Technical University of Nova Scotia. The Galleries, 230 College St. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.

SCARBOROUGH COLLEGE

The 25th Anniversary Purchase.

To March 16
Art purchased with the support of the Scarborough Alumni and the Ontario Ministry of Culture & Communications.

Senior Students from the Fine Art Studio.

March 19 to April 4
Works of senior students. The Gallery.
Gallery hours: Monday to Friday, 11 a.m. to 4 p.m.

ROBERTS LIBRARY

Improving Your Image.

To March 30
Alumni and student work from the School of Continuing Studies' photography course. Main Display Area.
Hours: Monday to Friday, 8:30 a.m. to 12 midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.
(Public & Community Relations)

THOMAS FISHER RARE BOOK LIBRARY

Gifts from Our Friends.

To March 31
To celebrate the fifth anniversary of the Friends of the Thomas Fisher Rare Book Library.
1st and 2nd floors.
Hours: Monday to Friday, 9 a.m. to 5 p.m.

JUSTINA M. BARNICKE GALLERY, HART HOUSE

68th Annual Exhibit of

Photographs.

To April 5
Sponsored by the Hart House Camera Club Committee. Both Galleries.
Gallery hours: Monday and Friday, 11 a.m. to 6 p.m.; Tuesday to Thursday, 11 a.m. to 8 p.m.; Saturday and Sunday, 1 to 4 p.m.

UNIVERSITY COLLEGE

Tears in the Rainbow.

March 21 to April 11
Joyce Wieland, paintings and drawings. 240 University College.
Hours: Monday to Friday, 2 to 6 p.m.

Miscellany

Shaw's Candida.

Thursday, March 22
University of Toronto Women's Association theatre night. Robert Gill Theatre, Koffler Students Services Centre. 8 p.m.
Admission \$12.
Tickets: 593-5186, 248-9183 or 978-3652.

The Anglo-Saxons.

Saturday, March 24
A one-day course. Council Chamber, Alumni Hall, St. Michael's College, 121 St. Joseph St. 9 a.m. to 5 p.m.
Bede, Prof. Walter Goffart; The Anglo-Saxon Will, Prof. Michael Sheehan, Pontifical Institute of Mediaeval Studies; Anglo-Saxon Literature, Prof. Pauline Thompson, Dictionary of Old English; The Illuminated Book in Anglo-Saxon England, Prof. Robert Deshman, Department of Fine Art; The Archaeology of Anglo-Saxon England, Marsha Groves, Centre for Medieval Studies.
Fee \$75.
Information and brochure: 978-8560.
(Continuing Studies and Medieval Studies)

Search committee

Principal, New College

IN ACCORDANCE with the Haist Rules, President George Connell has appointed a committee to recommend a principal for New College effective July 1. Members are: Professor Joan E. Foley, vice-president and provost (*chair*); Professors David Clandfield, Department of French; Robert Garrison, Department of Astronomy; Alexandra Johnson, principal, Victoria College; Bruce Kidd, School of Physical & Health Education; John Mayhall, Faculty of Dentistry; Derek McCammond, associate dean, Division III, School of Graduate Studies; Bernard Moitt, African Studies Programme,

New College; Katherine Morgan, Department of Philosophy; and Stephen Tobe, associate dean, mathematical, physical and life sciences, Faculty of Arts & Science; and Barbara Dockerty, alumna, New College; Vikas Bhushan, Nadia DeFazio and Shawn Sheppard, students, New College; and Ruth Maloney, Office of the Vice-President & Provost (*secretary*).

The committee invites nominations and comments. These should be sent as soon as possible but no later than March 31 to Ruth Maloney at the Office of the Vice-President & Provost, room 225, Simcoe Hall, or to any member of the committee.

Campus Copy

and Publishing Services Inc.

100 Harbord St. Toronto Ontario

Your One Stop COPY, PRINT, & DESKTOP PUBLISHING Centre

(416) 925-2277 Fax (416) 925-5308

"distinctly different...extremely efficient"

REFLECTIONS ON LENT IN A VIOLENT SOCIETY

Thursday
March 15, 1990
5:15 p.m.

THE REVEREND
PAUL GIBSON
Liturgical Officer
The Anglican Church of Canada

Thursday
March 22, 1990
5:15 p.m.

PROFESSOR URSULA
FRANKLIN
Metallurgy & Materials Science
University of Toronto
1989 Massey Lecturer

— A UNIVERSITY SERMON SERIES —

Trinity College Chapel

6 Hoskin Avenue
Toronto, Ontario
M5S 1H8

The Reverend Kate Merriman
Chaplain
978-3288

NOTICE OF LIBRARIANS' ASSOCIATION AWARD

Nominations are invited for the Librarians' Association of the University of Toronto Award, to be presented at the Annual General Meeting in May.

By means of this award, the Librarians' Association wishes to acknowledge the contributions of its members to the field of librarianship and to the University community in which they serve. The award will be given in recognition of superior achievement through work or activities of exceptional merit that advance the field, or through outstanding service to the University.

The qualifications of the nominee should be outlined in writing, according to the selection criteria above, and sent to Prof. Robin Jackson, Chairman, LAUT Award Selection Committee, Dept. of English, Victoria College, no later than March 31, 1990. The Executive reserves the right not to present the award if the Committee cannot recommend a winner. Please direct any inquiries to Cathy Matthews, 978-7068.

University of Toronto BOOKSTORE

McClelland and Stewart Present The Annual Spring Poetry Launch

hosted by

Lorna Crozier

with readings by

Al Purdy

The Woman on the Shore

Sharon Thesen

The Pangs of Sunday

Douglas LePan

Far Voyages

Mary di Michele

Luminous Emergencies

David Donnell

Water Street Days

Ralph Gustafson

reading from his works

The Toronto Launch of

Winter Prophecies

The Poetry of Ralph Gustafson

an N.F.B. film directed by Donald Winkler

Wednesday, March 28th, 8 pm

ADMISSION IS FREE

Autographed copies available. Come early, seating is limited.

George Ignatieff Theatre
15 Devonshire Place
(1 block east of St. George, south of Bloor)

For more information call 978-7907,7908

Research Notices

For further information and application forms for the following agencies, please contact ORA at 978-2163.

American Paralysis Association

The APA's goal is to promote a cure for paralysis associated with central nervous system trauma and disease with an emphasis on spinal cord injury.

Funds are available for basic and applied research relevant to recovery of functions; clinical trials; travel for scientists and graduate students; and conferences. Deadline for all programs is April 1.

Atkinson Charitable Foundation

The foundation offers funding of approximately \$15,000 for

research in the areas of geriatrics, blindness, deafness and children's diseases. Investigators holding academic appointments at the University and who are doing research in medicine or in medically related areas are eligible to apply.

Two applications only, priority-ranked by the University, are accepted by the foundation. Internal deadline at ORA is April 1.

The Bower Award

The Benjamin Franklin national memorial is seeking nominations for the Bower award. This annual award is international in focus and recognizes outstanding achievement in the life or physical sciences. There is a cash prize of \$250,000. Nomi-

nation forms are available from ORA. Deadline is April 17.

Medical Research Council East European Exchange Program

Under the visiting scientist program funding is available to encourage visits to Canada by biomedical scientists from the USSR and other east European countries to work in the laboratories of MRC-funded researchers.

Applications on form MRC 26 should be made by the dean of the faculty in which the host researcher is working. Funds may be requested for a period of three months to two years for travel costs, salary support and a research allowance. Further information and application forms

may be obtained from ORA. Deadlines are May 1, August 1, November 1 and February 1.

Preliminary Proposal for New and Renewal Group Grants

Investigators should note that preliminary proposals for new and renewal group grants are treated as grant applications and must follow the usual University signature requirements, have ORA attachments and a planning and resources letter where applicable. Arrangements for the president's signature on the letter of intent will be handled by ORA. Investigators are requested to allow ORA at least five working days prior to the deadline date for this part of the application procedure.

MRC has made a number of changes to the guidelines governing the group program and investigators should consult the MRC Guidebook 1989-90 for further details. Deadline for preliminary proposals is May 1.

Strategic Grants Programs — NSERC and SSHRC

Information regarding the upcoming NSERC or SSHRC strategic grants programs is available at ORA. Investigators considering submission to the 1990 competitions are encouraged to familiarize themselves with program changes before preparing their applications. Deadline for SSHRC is April 1; NSERC: May 1.

Open Forum — NSERC

ORA and NSERC will be holding an open forum on March 14. Two representatives from NSERC will be on hand to discuss and answer any questions regarding the upcoming changes to the strategic grants programs. This forum will be held in 3154 Medical Sciences Building from 2:30 to 5 p.m. For further information, please contact Liz May (ORA) at 978-2163.

Strategic Theme Grants — SSHRC

Due to a delay in distributing the strategic theme grants material, the April deadline for submission of applications is now April 17. Deadline for Canadian studies tools program remains April 1.

Physicians' Services Inc. Foundation

Following the final 1989-90 competition, the foundation has announced that applications for research in the areas of cancer, heart and stroke or

mental health will no longer be accepted.

The Premier's Council on Health Strategy

The council invites submissions for a proposal for the development of devolved models for health and social services which could be applied through a phased implementation in the Ontario community. The proposal should include a description of the overall approach, the methods proposed, a work plan, staffing plans and a detailed project budget. Investigators are reminded that the usual University application procedures and signature requirements are in effect for this application.

Further details on the purpose and rationale for the study are available from ORA. Deadline is April 3.

The Secretary of State of Canada

In an effort to foster the development of research on the linkages between education, the economy and the labour market, the Department of the Secretary of State of Canada will offer contracts to undertake applied research in this area using data from the national surveys of graduates which have been conducted by Statistics Canada since 1978.

This support is only available to doctoral students or researchers who have received their PhD within the last two years and who are not yet employed full-time. Further details are available from ORA. Deadline is March 23.

Upcoming Deadline Dates

American Foundation for AIDS Research — letters of intent: April 10.

American Paralysis Association — grants, clinical trials, travel and conference grants: April 1.

Atkinson Charitable Foundation — (geriatrics, blindness, deafness and children's diseases) research grants, internal ORA deadline: April 1.

Bower Award — (life/physical sciences) nominations: April 17.

Canadian Friends of Schizophrenics — research grants: April 15 competition cancelled.

Cancer Research Institute (US) — fellowships: April 1 (please note change).

CNIB — Ross C. Purse fellowships: April 1.

Cutter Biological/Canadian Red Cross Research Fund

— full application: April 9.

Damon Runyon - Walter Winchell Cancer Research Fund — fellowships: March 15.

Easter Seal Research Institute — research grants, post-doctoral fellowships, research training grants: April 15.

Hannah Institute for the History of Medicine — publication program: April 1.

International Life Sciences Institute — (nutrition and aging) fellowships: March 15.

Laidlaw Foundation — (psychiatry, child development, community and public health) research awards: May 1.

Medical Research Council — Price Daxion/MRC/Alzheimer Society of Canada fellowships (new and renewal); studentships (renewal): April 1; group and program grants (new and renewal letter of intent): May 1 (please note change); east European exchange program: May 1.

NCIC, Terry Fox Research Programs — project grants and expansion awards (letter of intent): April 1; development grants (full application): April 15.

National Neurofibromatosis Foundation — research grants and young investigator awards: April 2.

NSERC — university undergraduate student research awards: March 23; strategic grants: May 1.

Ontario Lupus Association — clinical development grants, pilot projects (tentative): April 1.

Parkinson Foundation of Canada — research grants: March 30.

Premier's Council on Health Strategy — request for proposal: April 3.

Secretary of State of Canada — research contracts (limited eligibility): March 23.

SSHRC — Canadian studies tools program: April 1; strategic themes only: April 17.

Physicians' Services Inc. Foundation — research grants: March 19.

University of Toronto, Humanities & Social Sciences Committee of the Research Board — grants-in-aid: April 1; conference travel: April 15; general research grants: May 15; Connaught Fund — phase 1 new staff grants: May 1; senior fellowships: May 15.

World Wildlife Fund — endangered species recovery fund: April 1; wildlife toxicology fund — any time.

PhD Orals

Graduate faculty please call the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

Friday, March 16

Nicholas Frederick Coady, Faculty of Social Work, "Interpersonal Process and Counseling Outcome: An exploratory Study of the Worker-Client Relationship." Prof. E. Marziali.

Uimyoung Kim, Faculty of Social Work, "Occupational Welfare in Korea." Prof. E.S. Lightman.

Colin David Stanners, Department of Chemistry, "UV Photochemistry of Adsorbates on Insulator and Metal Surfaces." Prof. J.C. Polanyi.

Wednesday, March 21

Anthony Busigin, Department

of Chemical Engineering & Applied Chemistry, "Development of Efficient Methods for Solving Liquid Structural Equations." Prof. C.R. Phillips.

Benoit Champagne, Department of Electrical Engineering, "Optimum Space-Time Processing in Non-Stationary Environments." Profs. S. Pasupathy and M. Eizenman.

Thursday, March 22

Sui Yung Peter Lau, Department of Electrical Engineering, "Design and Analysis of a Broadband Packet Switch Based on the Batcher-Banyan Network Architecture." Prof. A. Leon-Garcia.

Friday, March 23

David Andrew Johnson, Department of Political Science, "Regulation, Accountability and Democracy: A Study of Select Ontario Regulatory

Agencies." Prof. P.H. Russell.

Hou Cheong Alex Yu, Department of Medical Biophysics, "An Ultrastructural Study of Transcriptionally Active Simian Virus 40 Chromatin by High Resolution Electron Microscopy." Prof. F.P. Ottensmeyer.

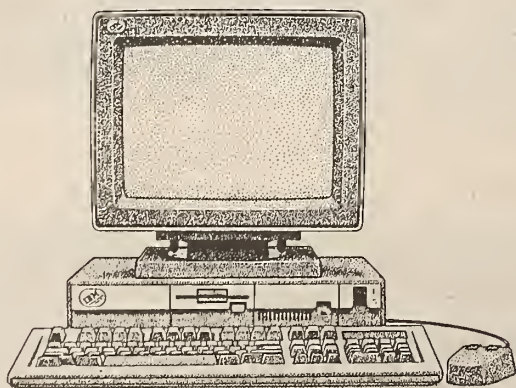
Thursday, March 29

Danielle Frances Gauci, Department of Biochemistry, "Drug Transport by Multi-Drug Resistant Cells and Drug Binding to P-glycoprotein: Effects of Calcium Channel Blockers." Prof. J.R. Riordan.

Nalini Naomi Dorothy Joy Jairath, Institute of Medical Science, "The Role of Exercise in the Rehabilitation of Aortic and/or Mitral Valve Surgical Patients in the Early Convalescent Period." Prof. T.A. Saerno.

University of Toronto BOOKSTORE

So much computer,
so little money,
so little time.



Graduating? Then this is your last opportunity to invest in the quality and the reliability of an IBM Personal System/2 at educational prices. The University of Toronto Computer Shop has assembled two packages just for graduating students based on today's most popular technology. Both systems include fully configured PS/2 system units, IBM display, and IBM PC-DOS 4.01. Proof of graduation is required.

IBM PS/2 Model 30 286

10 mhz. 80286 processor
1 MB of memory
30 MB fixed disk
VGA graphics
OS/2 upgradable
\$2,599 mono \$2,999 colour

IBM PS/2 Model 55SX

16 mhz. 80386SX processor
2 MB of memory
30 or 60 MB fixed disk
Microchannel Architecture
OS/2 upgradable
30MB \$3,799 mono \$4,275 colour
60MB \$4,175 mono \$4,650 colour

214 Collge Street in the Koffler Building
3rd Floor COMPUTER Shop 978-7947, 7949

Classified

Continued from Page 15

SAME DAY WORD PROCESSING SERVICE. Resumes, essays, etc. Cheapest prices around. Free pick-up & delivery on large orders. Call Final-Form 851-4612.

Word Processing Services. Accurate, dependable and fast. References available on request. 925-0676.

Miscellaneous

PASSPORT & VISA PHOTOS. Located in Toronto General Hospital, 101 College St., 3rd floor, room 802. 2 B/W Polaroid — \$7.50 (incl. tax; cash only). Wednesday 11-1. No appointment required. 340-4084.

Victoria B.C. Real Estate. Experienced, knowledgeable realtor with university faculty references. Will answer all queries and send information about retirement or investment properties in Victoria. No cost or obligation. Call collect (604) 595-3200 or write Lois Dutton, RE/MAX Ports West, 3200

Shelbourne Street, Victoria, B.C. V8P 5G8.

IMPROVE YOUR WRITING. Professional editor with extensive publishing experience will help with your paper, thesis, dissertation, or manuscript. Focus your thoughts, show you where to cut or to expand, clarify awkward sentence structure, etc. Free estimate. Elite Editorial Services. 927-8761.

ACCENT NEED ADJUSTMENT? Communication enhancement classes forming with "accent" on formation and production of the English sound system, pronunciation and intonation patterns. Now in its 5th year. Over 700 satisfied graduates attest to its value. Groups of 6-8 participants. Gandy Associates 767-6691.

Applications are now being accepted for a Fellowship in Ocular Oncology at The Princess Margaret Hospital beginning July 1990. Contact: Dr. E.R. Simpson, Director of Ophthalmology, The Princess Margaret Hospital, 500 Sherbourne Street, Toronto, Ontario

M4X 1K9. A Collaborative Ocular Melanoma Centre.

Daytime instructors wanted for teaching a communication skills course to advanced ESL speakers. Flexible hours, good wages, training provided. Next training session March 23-25. Background in teaching or speech preferred. Call Gandy Associates 767-6691.

PIANO WANTED. Good piano at reasonable price. 767-0330.

RELIABLE CHILD CARE AVAILABLE. Unique opportunity to share the quality child care services of our fully trained, experienced English nanny. Nanny would take care of your child and our newborn 9 hours/day, 5 days/week in our home near U of T. Dr. L. Penn 532-0904.

MALE VOLUNTEERS NEEDED!!! for research study. Age 18-31 years; weight 95-140 lbs. Study involves 1/2-day assessment of glucose tolerance. Honorarium provided \$75.00. For more information call between 10 a.m. and 4 p.m. Mount Sinai Hospital 340-3112 or 586-8747.

Classified

A classified ad costs \$13 for up to 35 words and \$.25 for each additional word (maximum 70). Your name counts as one word as does your phone number, but the components of your address will each be counted as a word. No charge for postal code.

A cheque or money order payable to University of Toronto must accompany your ad.

Ads must be submitted in writing, 10 days before *Bulletin* publication date, to Nancy Bush, Department of Communications, 45 Willcocks St., Toronto, Ontario M5S 1C7. Ads will not be accepted over the phone.

To receive a tearsheet and/or receipt, please include a stamped self-addressed envelope.

Accommodation Rentals Available — Metro & Area

Modern luxury town house, downtown, walk to Yonge/Summerhill subway, garden environment, close to all amenities. 3 bedrooms, 2 bathrooms, living, dining, family rooms. Washer, dryer, refrigerator, stove, dishwasher, intercom, venetian blinds, smoke detectors, broadloomed, air-conditioned. Owner pays taxes and maintenance fee. Occupancy at 2 weeks notice. Rent for \$2,700 per month plus utilities. 10 Walker Avenue. For appointment please call 924-9293.

Bloor/Ossington. Bright, renovated one-bedroom upper in lovely Victorian with private entrance and deck. Close to subway. \$750. Available April 1. 535-3981 evenings & weekends.

Sabbatical rental — Beach lake-side home. August 1990 to July 1991. Renovated 3-bedroom home on quiet cul-de-sac with beautiful lake view. Available fully furnished. Ideal for visiting professional. \$1,800/month. Inquiries 694-6229.

Summer rental, May 1 — Aug. 31 (negotiable). Large home on Markham St., 12 minutes walk to campus; furnished, 4 bedrooms + dens, library/family room, formal dining, breakfast room opens to deck & yard; garage, central air. Ideal for visiting faculty. \$1,700. Call 978-5283 or 978-6345.

Summer rental: July & August. Ideal location: Yonge & Eglinton. 3- to 4-bedroom home. All appliances & microwave. Parking facilities. 6 weeks — \$1,800; 2 months — \$2,400. Call 481-7137.

One-year sabbatical rental from August 1, 1990. Yonge and Sheppard. Subway, quiet neighbourhood. Modern executive home, recently renovated, fully furnished, 3 bedrooms, 2 studies, 1½ bathrooms, all appliances, family room with fireplace, garage, private drive, spacious garden. Non-smokers. \$1,900. Year-round cottage rental on Muskoka lake optional. References. Dr. V. Kalnins 978-4096 (office), 225-7530 (home).

Three-bedroom bungalow for rent, January-June 1991, Kipling/Eglinton area, easy access to subway and shopping, five appliances. \$1,600 a month plus utilities. 233-8518, Arthur Winter.

Prestigious Rosedale — walk to U of T. Large, bright one-bedroom apartment. Fully furnished and equipped, colour TV, parking. Available April 1. \$1,200/month including utilities. Tel. 769-7599.

Cummer/Bayview/Leslie. Unique custom-built executive ranch bungalow on spectacular ravine property. On quiet cul-de-sac near excellent schools, transportation. No steps to enter home. Good for physically challenged individuals. Spacious, deck overlooking ravine, 3 bedrooms, 2½ bathrooms, fireplace in family room, double garage, central air,

air cleaner, security system, 5 appliances. \$2,500 + utilities/month. Lease. July 1. 224-1391.

Major Street. Summer rental. Bright renovated Edwardian house, 2 bedrooms plus study or third bedroom, deck and garden, well-furnished and equipped, walk to campus, available June-September flexible. Suit professional couple or small family. References. \$1,295 a month plus utilities. 928-3275 evenings or weekends.

Annex. Furnished basement room with shower. \$300/month. 961-3060.

Annex. Walk to university. Single-family home. Furnished, 4 bedrooms, den, study, 2½ bathrooms, Jacuzzi, fenced garden, restored. July 1, 1990 to August 1, 1991. \$2,400/month + utilities. 961-3060.

Sublet. Bright, furnished, large, studio apartment. St. George Street. Available April 15 — December 15, 1990 (or part). \$600/month including parking. Inquiries 922-2097.

House for rent: May 15 — September 10. \$900 per month plus utilities. 1 double bedroom, 2 studies, dishwasher, washer/dryer, central air conditioning, grand piano. 20 minutes walk from Robarts Library. Bus on corner, 5 minutes walk to subway. Call (evenings, weekends) 534-6198.

Coxwell/Queen. Walk to Beaches. 3 bedrooms and den with fireplace. Renovated, everything new and tasteful. 5 appliances, 2 parking, hardwood, open plan. Immediate occupancy. \$1,375 plus. 690-6769.

Upper Beach, 3-bedroom semi, large eat-in kitchen with built-in microwave, 5 appliances, hardwood floors, security alarm system, fenced yard. Close to TTC, schools, library, boardwalk. Available March 15. \$1,375 + utilities. Phone 694-1078.

Furnished doctor's home. From July 1, 1990 for one year. Across from High Park, walk to subway & lake. 3 bedrooms, 2 baths, piano, garden, parking. Montessori & French Immersion school close by. \$1,750/month inclusive. 766-6235.

Lakeshore/Dixie. New condo. 2 bedrooms plus solarium, 2 baths, 5 appliances, air conditioning, 2 underground parking spaces and close to bus, street cars and shopping. \$1,050 utilities included. 896-4612.

Ground-floor apartment twenty minutes walk to the campus. Fully furnished, seven appliances, air-conditioned, sleeps four. Non-smokers only, please. \$1,000 a month. Phone 928-6837. Available May 15 to September 30.

King & Bathurst, one-bedroom penthouse condo, parking, 24-hr security, fireplace, verticals, solariums, health club & pools, full-time esthetician, conference & seminar rooms, movies, walk to dome & theatres. Vacant now. Asking \$1,250/month + hydro.

Phone Mrs. May (416) 854-2660.

Restored Victorian house. Spacious, furnished 3 bedrooms, living, dining, 2 full bathrooms, central air, piano. Dishwasher, washer/dryer, freezer. Handy to U of T and downtown, to subway, streetcar, schools. Available late summer 1990 to spring/summer 1991. \$1,600 +. 532-8780 evenings.

Broadview/Danforth. 4-bedroom house, fully furnished, patio, sun-deck, close to parks, subway, shopping. Minutes to university. \$1,650/month inclusive. Available July 1 to September 7, 1990 (dates negotiable). Call 463-2290.

Danforth & Donlands. Bright one-bedroom basement apartment. Laundry. Suitable for one person. A non-smoking house. Steps to subway. \$560. Available April 1. 461-9793.

St. Clair & Dufferin. Large, fully renovated 1-bedroom + sun-room + deck, laundry, garden, microwave, bay window, oak floors. Can be furnished in Canadiana pine. \$850 +. 651-9366.

King & Bathurst. Fully renovated 1-bedroom, parquet floors, ceramic 4-piece, verticals, laundry, air conditioning, patio doors onto terrace/garden. Can be furnished with Canadiana pine. \$850 +. 651-9366.

Sabbatical rental. 2 storeys, 3 bedrooms & family room, 2 bathrooms. Fully furnished and equipped in lovely old neighbourhood. Short walk to subway, schools and shopping. Bathurst/Eglinton area. \$2,200 + utilities. September 1990 till end of June 1991. Home 783-1240, business 524-3348.

Short rental. South Rosedale near Sherbourne subway. Fully furnished apartment, one bedroom and den/bedroom. May 14 to June 19 approximately (negotiable). \$950 inclusive. Non-smoker. References please. Call 921-8826.

Sabbatical rental — Oakwood/ St. Clair. August 1, 1990 for one year. Renovated, detached, spacious 4-bedroom home. Oak kitchen, breakfast area, walk-out to cedar deck, private garden. 2+ bathrooms, ample storage. Light, high, architect designed basement studio. Private drive. Fully furnished. \$1,800/month. 656-3792.

Leaside sabbatical rental. September 1990 — June 1991. Three bedrooms, family room, office, two fireplaces, 5 appliances, outside deck, garden. Furnished. Close to downtown, public transit, schools, shopping. \$1,800/month + utilities. Call 978-4445 (day), 423-0827 (evening).

Century fully renovated home. Single family, unfurnished, 3-4 bedrooms, 2 decks, parking, 10 minutes from U of T. Suit visiting professor or university administrator with family. Call Mr. Demasi 532-7665.

Bloor/Royal York. Fully furnished house. Available September 1, 1990 — June 30, 1991. 5-minute walk to subway. 4 bedrooms, den, rec. room, dining-room, 2½ bathrooms, sauna, deck, 7 appliances. \$1,800 + utilities. No smokers or pets. References. 978-8954 (O), 232-1068 (H).

Cabbagetown, May 1 — Aug. 31, Victorian town house, 5 bedrooms, furnished, laundry, nice garden, in charming neighbourhood (Carlton & Sackville), about 1 mile from university, easy TTC. Monthly \$1,600 + utilities. Evenings 921-3210, days 978-2165.

To sublet: downtown 1-bed- room apartment. Furnished 1-

bedroom, Bedford and Bloor, March to December. Steps to University of Toronto campus, Yorkville, St. George subway. Bright and spacious, would suit non-smoking single or couple. 921-8192.

Don Valley Parkway and York Mills, 2-bedroom town house, 4 appliances, patio overlooking small park, quiet residential area near schools, shopping, 401. Available April 1, \$1,200. 446-2891.

Furnished three-bedroom, two-storey house, 5 appliances, Chaplin Crescent, available August 15, 1990 (possibly sooner), until approximately July 1, 1991. \$2,200 a month plus taxes and utilities. Write to Prof. Michael Brown, 14 November 29th Street, Jerusalem, Israel, or phone (Toronto) 781-3773.

Self-contained furnished flat, 2 rooms, bathroom, on a lovely street, close to U of T. Available July 1990. Suitable for grad student or visiting prof. \$550 per month. Please phone after 10 p.m. 656-6160 or write D. Alex, 10 Bracendale Hill Rd., Toronto M6G 3P4.

Eglinton and Yonge, elegantly furnished, 3-bedroom detached, central air, double garage parking, 2 bathrooms, deck. Occupancy July 1, 1990 — July 1, 1991. \$1,800 a month and utilities. References. 487-2292 — 6:30-8:30 p.m.

Accommodation Rentals Required

Going away August 1990? Bet you thought you couldn't rent your house for just one month. You can! If your house is 3+ bedrooms and you can rent it for the month of August, call Franca at 368-0040 now. What have you got to lose?

Visiting professor and family require 3-bedroom house or apartment from August 1 to December 31, 1990. Convenient to U of T by public transport. Starting date negotiable. Call Professor Simon 923-6641 or 465-8547 evenings.

American business executive (former college professor) and family (two children) require 3- to 4-bedroom house for one year commencing July 1990. Desired location inside Yonge/Eglinton/Bathurst/Bloor box. Parking for two autos. Call days 896-6956.

Quiet university couple seeks bachelor or one-bedroom apartment close to campus starting about August 1990 for minimum eight-month period. Call 599-3865.

Accommodation Shared

Danforth and Broadview. Professor or mature professional to share renovated house. TTC 15 minutes to U of T. Entire third floor: 2 rooms unfurnished, skylights, minibar, air-conditioned. House has all appliances, fireplace, yard. Street parking. Non-smoking, pet-free,

organized, quiet. \$575. Maid & utilities included. Available immediately. Call Ken Shepard, Ph.D. 463-0423.

Non-smoking female professional seeks same to share 2-storey, 2-bedroom luxury town house; 3 washrooms, 2 sun-decks, washing machine, dishwasher. Downtown location. Available May 1, 1990. \$700/month. Parking available, TTC nearby. Adrienne 531-8154.

Cabbagetown. House to share with non-smoking woman professional. Steps to TTC. 6 appliances. Backyard. \$500/month. Call 923-5477.

Accommodation Out of Town

On sabbatical Aug. 1, 1990 — May 1, 1991. Brand new 2-bedroom furnished house 45 miles north of Toronto. 15 minutes to GO train. \$875 plus utilities. 978-2858 (O), 332-6219 (H).

Accommodation Overseas

Sabbatical in Avignon. Restored ancient farmhouse; fabulous views; 4 bedrooms, 2 bathrooms (1 en suite), double living-room, fireplaces, heating system; fully furnished and equipped; 800 metres along country road from marvelous village school house; car available (extra cost). September 1 to June 3, \$995 per month plus utilities. 978-8637.

Accommodation Bed & Breakfast

Toronto Bed and Breakfast. A professional reservation service for quality accommodation throughout Metro Toronto. Make your stay a satisfying experience. Rates from \$40 single, \$45 double. Brochure upon request. Please call 588-8800.

Annex Bed and Breakfast. Lovely Victorian home beautifully renovated and furnished with antiques in a great location near Bathurst subway. Colour TV in each room. Rates \$38.00 single, \$55.00 double. Call May at 534-1923 or 534-2388.

Houses & Properties for Sale

Cottage on island in Georgian Bay. Less than 3 hours from Toronto by car and ferry this 3-bedroom winterized property is close to a beautiful sandy beach. \$32,000. Call 961-7997 evenings and weekends.

High Park — luxury centre hallway house on attractive ravine lot, private drive, steps to Bloor, gumwood wainscotting and trim, plaster mouldings throughout house, 2 fireplaces. 2800 square feet of complete renovation and addition, 3 new marble bathrooms, marble entrance ways, new bleached oak kitchen, 4 bedrooms with master en suite. Forced air electric fur-

nace with AC, humidifier and air filter. \$975,000. Call 763-5511.

Toronto Victorian, detached. 3 bedrooms & study. Sauna. Large yard and deck. Skylights. \$360,000. George Gardos. Business 766-4088, residence 763-4713.

Willcocks St. Victorian. Duplex or single family with character and upgrades. Special tree-lined street with boulevard in heart of University/Spadina/Harbord community. High ceilings, fireplace, stained glass. \$399,000. Alan Dudeck 928-6833. REMAX Urban Realty Inc.

Vacation/Leisure

BACKPACK CANADA, UNITED STATES, PERU & NEPAL. Adventurous backpacking treks through the Ocala National Forest in Florida, in the magnificent Canadian Rockies, the Grand Canyon in Arizona, the Appalachians during the autumn colour season, hut hopping in the White Mountains of New Hampshire, the Andes Mountains of Peru (including Machu Picchu), and Nepal (the Annapurna Sanctuary). We have some trips where we hike out daily from base camps. No experience is necessary. Request brochure. WILLARDS ADVENTURE CLUB, Box 10, Barrie, Ontario, Canada L4M 4S9. (705) 737-1881.

July Rental: renovated Victorian farmhouse surrounded by lawns and orchards near Creemore, Ontario, 1½ hours from Toronto. 3½ bedrooms, verandah, deck, charming ambience. Two creeks, willow-shaded pond. Easy access to swimming. \$1,500. 483-3939 (John Reibelanz).

Secretarial and Word Processing

ACADEMIC WORD PROCESSING by U of T graduate. Nine years' experience typing theses, essays, books. Professional quality finished product includes free title page, spelling and punctuation. \$2.00/double-spaced text page. Seven days. St. George Street. 925-4967.

A d.o.c. on call to cure your word pro woes. Student rates. Central (Bloor/Spadina). Laser printing. Recycled paper products. Multilingual word processing. Fast. Accurate. And house calls, too! d.o.c.s. Sue 920-5737.

Secretarial/Word Processing Service. Resumes, essays, reports, correspondence, mailings, can be processed quickly and for an affordable price. Call CAMPBELL COMPUTING 755-9473.

EXCELLENT WORD PROCESSING services available. Fast and accurate processing for your reports, manuscripts and theses, etc. Dictaphone transcription. WordPerfect. Weekend service available. Free pick-up and delivery for large projects. Call Kathy at 269-5119.

Continued on Page 15

SPADINA CAFE

401

A pleasant change

A little of the Continent in Chinatown

Mon - Fri 7 am - 10 pm

Sat 9 am - 10 pm

Sunday Brunch 10:30 am - 3 pm

401 Spadina Avenue
(½ block south of College)
340-6383

HART HOUSE HAIR PLACE

Cuts are our specialty

Men's cut \$10

Women's cut \$14

Winter special

Perms \$45

Highlights \$36

"Our experience means
professional results"

MONDAY-FRIDAY
8:30 - 5:30
7 HART HOUSE CIRCLE
978-2431



A deeper understanding

ALMOST TWO decades ago, the Department of Mathematics instituted a sequence of courses in the history of mathematics. I taught one of these, a study of the development of the fundamental ideas of the calculus from antiquity to the end of the 19th century. What a change from the traditional course! Little had prepared me to give a course in which mathematical ideas were to be seen as part of a larger intellectual environment, where students were to gain a deeper appreciation of these ideas through exposure to their often erratic evolution. Normally, theorems and techniques are presented in a systematic way indicative of much polishing and revision by numerous researchers, lecturers and textbook writers. The contexts, intuition and hard struggles that underlay the development of the necessary concepts are given little mention.

A few years later, a similar challenge presented itself, in the form of a University College course called Perspectives in Mathematics. The audience was presumed to have no mathematical background past grade 12 and no particular reason, apart from interest, to take the course. My task was to convey something of the nature and value of mathematics without the technicalities of the normal approach. In preparing and giving the course, I felt that I was introducing a dimension to the teaching of the discipline that was valid for the core mathematics curriculum as well. My subsequent specialist courses have reflected the view that one must place mathematics in the mainstream of human historical and intellectual development. I wonder whether my experience is peculiar to mathematics or whether faculty and students at our university, with its tradition of specialization, have been generally inhibited from exploring their disciplines in important directions.



University courses are distinctive because they are, or should be, about ideas — their genesis, formulation, development, context and application. While a good portion of course content is necessarily technical, skills and schemata are taught in vain if they do not support a conceptual fluency. A trained technician is competent in standard situations; the competence of a university graduate should be informed by a deeper understanding, one that allows adaptation and innovation. To achieve this, professors should provide a world view, a way of perceiving their disciplines in the scheme of intellectual and social activity. This should not be done in an overbearing way, but in one that allows students to develop their own critical sense, modifying and developing the perspectives of their teachers on the basis of their own experiences. Above all, students should share in the richness of the intellectual endeavour.

Over the past 20 years, many people

have attempted to establish a counter tradition of liberal arts education in the Faculty of Arts & Science. Sometimes this has come in the form of individual courses, such as Poetry for Scientists, sometimes in interdisciplinary programs and sometimes in "breadth requirements" tacked on to the usual degree requirements for a specialty. Many of these attempts have either been restricted in scope or too isolated in the curriculum to do more than provide a gloss on the "real" business of the faculty — to train specialists.

Several years ago, a group of University College professors, representing many disciplines, designed a broad course of study in which the component parts were intimately linked. The Integrated Studies Program is now before the Faculty of Arts & Science for implementation, as part of curriculum renewal, in the fall of 1991. The courses will cover a wide spectrum and be mutually co-requisite, so that the students and faculty members can explore the connections and, over three or four years, synthesize and apply what they have learned. The theme is knowledge. The creators of integrated studies believe in the fundamental unity of all areas of thought and propose that knowledge be examined in an eclectic way from the perspective of both the sciences and the humanities.

Professor Peter Heyworth described the program in these pages two years ago ("Unity of Knowledge: the possible dream?," *Bulletin*, Feb. 23, 1987), so it

suffices now to review the main characteristics. There are 14 half-courses, three in each of four main areas, followed by two integrative courses in which students report on a project. The four areas are:

- *Human expression* — Inasmuch as intellectual development is mediated through the use of prose, poetry and rhetoric, this segment will focus on the structure and use of language. The participants will study linguistics, literature and philosophy and master techniques of effective expression.

- *Human behaviour* — The social sciences (psychology, economics and sociology) bring their own perspectives to knowledge and the uses to which it is put.

- *Analysis* — Mathematics itself is a language and a bridge between the humanities and the sciences. This segment will examine key ideas, provide some of the tools needed for the scientific portion of the program and look at the power and limitations of mathematics.

- *Science* — Various areas of the life and physical sciences illustrate the way in which knowledge is secured and theories, such as those that account for evolution, are developed and honed to play a role in the broader intellectual sphere.

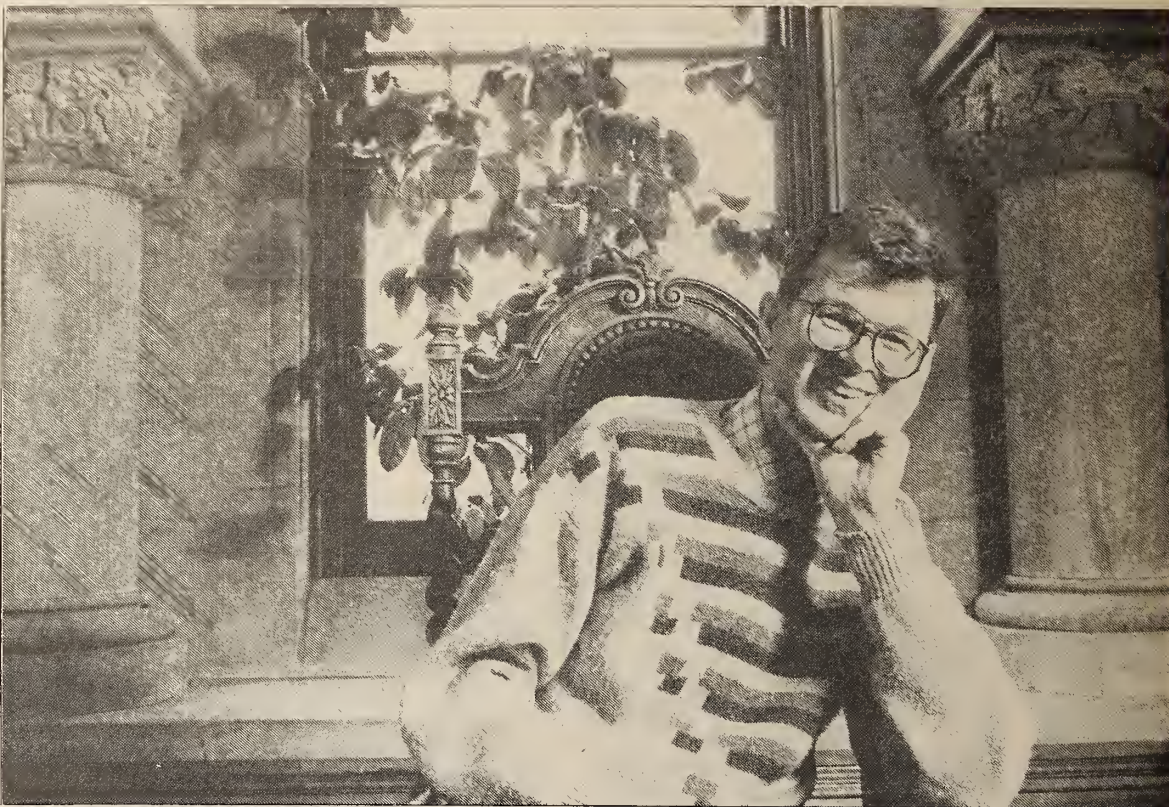
The program will undoubtedly make great demands on students and faculty members. Teachers will have to consult regularly, revise continually and, with regard to student progress, monitor carefully. While these demands require limited enrolments, the value of the program to the University may extend beyond the small number of students involved. Discussions with colleagues have

revealed a great deal of sympathy for the program; it seems to represent the sort of activity that they themselves, given time and opportunity, might like to undertake. Those who participate will undoubtedly discover that their efforts bear fruit elsewhere. Their other courses will be enriched by their preparation for this program and their activities will generate new and productive collaborations beyond disciplinary boundaries and new initiatives in teaching.

And what of the students themselves? Our hope is that they will form a close academic community of a kind currently enjoyed by students in some of our smaller specialist programs. In the long term, they may derive a concept of university education that will inform their activities as citizens, leaders and teachers.



Until 1970, the strength of the undergraduate program in arts and science resided in the intense academic experience afforded by the honours programs. While these have long since disappeared, the intellectual resources to support our undergraduate enterprise have increased enormously. We can touch areas, devise combinations and develop themes in ways impossible at most other institutions. This strength should be exploited fully to make the Toronto undergraduate experience outstanding, not only in our various specialist and joint specialist programs, but also for those that cut across the usual disciplinary boundaries. Integrated studies will help achieve this.



Professor Ed Barbeau of University College teaches in the Department of Mathematics.

JEWEL RANDOLPH

UNIVERSITY Ombudsman

Confidential advice and assistance with problems unsolved through regular university channels is available to all students, faculty and administrative staff of the three U of T campuses.

Office of the University Ombudsman, University of Toronto
16 Hart House Circle, Toronto, Ontario M5S 1A1 Telephone: 978-4874

1990 Teetzel Lecture

ELISABETH BLAIR
MacDOUGALL

Professor of History of Landscape Architecture, Emerita
Harvard University

"Theatre of Power: Urbanism, Architecture and
Magnificentia in North Italian Principalities at
the End of the Middle Ages"

Thursday, March 22, 1990

4.30 p.m., Room 140, University College

15 King's College Circle, University of Toronto

Members of the staff, students and the public are cordially invited